Index to Volume 39

Author index*

A

AARON, B. (*See* HEIMLICH, E. M., et al.), 111 (Abst.)
AARONSON, D. W., PATTERSON, R., and WENNEMARK, J., 117 (Abst.)
ABBOTT, W. M. (*See* MONACO, A. P., et al.), *37* (Abst.)
ABDOU, N. I., and MCKENNA, J. M., 114 (Abst.)
ABELL, M. R. (*See* LANZI, R. A., et al.), 117 (Abst.)
ACETO, T., JR. (*See* FEINBLATT, B. I., et al.), *13* (Abst.)
ADLERSBERG, R. (*See* GREEN, I., et al.), *40* (Abst.)
AHUJA, G. K., and SCHUMACHER, G. A., *24* (Abst.)
ALLANSMITH, M., and BERGSTRESSER, P., 115 (Abst.)
ALLEN, R. J. (*See* TERR, A. I., et al.), *39* (Abst.)
ANAND, S. (*See* KIND, L. S., et al.), 120 (Abst.)
ANDERSON, A. S. (*See* VANMETRE, T. E., JR., et al.), 110 (Abst.)
ANDERSON, B. R., and CASS, R. M., 98 (Abst.)
APPLEMAN, R. M., SHORTER, R. G., and HALLENBECK, G. A., *38* (Abst.)
ARBESMAN, C. E., REISMAN, R. E., and WICHER, K., 124 (Abst.)
—. (*See* GIRARD, J. P., et al.), 65
—. (*See* ISHIZAKA, K., et al.), 99 (Abst.), 254
—. (*See* REISMAN, R. E., et al.), 111 (Abst.)
—. (*See* WICHER, K., et al.), 100 (Abst.)
ARBLASTER, P. G., and ZUIDEMA, P., *16* (Abst.)
ARNOLD, C. A. (*See* MCKEE, W. D., et al.), 294
ATTALLAH, N. (*See* CENTENO, E. R., et al.), 120 (Abst.)

B

BACAL, H. L. (*See* EISEN and BACAL), 125 (Abst.)
BACHAND, A. J., RUBENSTEIN, J., and MORRISON, A. N., *48* (Abst.)
BAER, R. L. (*See* FELLNER, M. J., et al.), 106 (Abst.)
BAJOR, G. F. (*See* KALES, A., et al.), 103 (Abst.)
BANOVITZ, J. (*See* KIND, L. S., et al.), 17
BARBORIAK, J. J. (*See* FINK, J. N., et al.), 105 (Abst.), 214
BARNARD, J. H., 105 (Abst.)
—. (*See* VANMETRE, T. E., JR., et al.), 110 (Abst.)
BARNETT, E. V., WINKELSTEIN, A., and WEINBERGER, H. J., 114 (Abst.)
BARON, J. (*See* CAMERON, A., et al.), *35* (Abst.)
BATTIFORA, H. A. (*See* MCCREARY, P. A., et al.), *46* (Abst.)
BAXTER, B. L., and ROSENTHALE, M. E., *45* (Abst.)
BEALL, G. N. (*See* KALES, A., et al.), 103 (Abst.)
—. (*See* ZAID and BEALL), *26* (Abst.)
—. (*See* ZAID, G., et al.), 127 (Abst.)
BECK, J. S., OAKLEY, C. L., and ROWELL, N. R., *5* (Abst.)
BECKER, C. E., MACGREGOR, R. R., WALKER, K. S., and JANDL, J. H., *7* (Abst.)
BECKHORN, G. (*See* FEINBLATT, B. I., et al.), *13* (Abst.)
BEIER, H., and CHAPARAS, S. D., *13* (Abst.)
BENNETT, B. (*See* BLOOM and BENNETT), *31* (Abst.)
BERGSTRESSER, P. (*See* ALLANSMITH and BERGSTRESSER), 115 (Abst.)
BERNSTEIN, I. L. (*See* VANMETRE, T. E., JR., et al.), 110 (Abst.)
BERNTON, H. S. (*See* BROWN and BERNTON), 114 (Abst.)
BERRENS, L. (*See* BLEUMINK and BERRENS), *28* (Abst.)
BESDINE, R. W. (*See* ZWEIMAN, B., et al.), *31* (Abst.)
BETTLEY, F. R., and GRICE, K. A., *35* (Abst.)
BIEMANN, O. H. (*See* MONACO, A. P., et al.), *37* (Abst.)
BLACK, J. (*See* WALDORF, D. S., et al.), *39* (Abst.)
BLACKBURN, C. R. B., and GREEN, W., *24* (Abst.)
BLEUMINK, E., and BERRENS, L., *28* (Abst.)
BLOCK, J. (*See* JENNINGS, P., et al.), 148
BLOOM, B. R., and BENNETT, B., *31* (Abst.)
BLUMSTEIN, G. I. (*See* TORSNEY and BLUMSTEIN), *43* (Abst.)
BOCK, G. (*See* CHODIRKER, W. B., et al.), 126 (Abst.)
BODMAN, S. F., and CONDEMI, J. J., 106 (Abst.)

*January, pp. 1-64; February, pp. 65-128; March, pp. 129-204; April, pp. 205-264; May, pp. 265-324; June, pp. 325-392.

Abstracts: January, pp. *1-8*; February, pp. *9-16*; March, pp. *17-24*; April, pp. *25-32*; May, pp. *33-40*; June, pp. *41-48*.

Boros, B. v. (*See* Filipp and Boros), 167
Bowman, K. L. (*See* Walzer, E. H., et al.), 104 (Abst.)
Brien, T. (*See* Devlin, J. G., et al.), *11* (Abst.)
Broderick, E. J. (*See* Pieroni and Levine), 25, 93
Brown, E. B., Josephson, B. M., and Levine, H. S., 101 (Abst.)
Brown, H., and Bernton, H. S., 104 (Abst.)
Bruch, E. (*See* Feinblatt, B. I., et al.), *13* (Abst.)
Buckley, R. H., and Dees, S. C., 101 (Abst.)
Buechner, H. A (*See* Salvaggio, J. E., et al.), 106 (Abst.)
Buffum, W. F., and Settipane, G. A., *19* (Abst.)
Bussard, A E., *23* (Abst.)
Busser, R. J. (*See* Heimlich, E. M., et al.), 111 (Abst.)
—. (*See* Sly, R. M., et al.), 126 (Abst.)

C

Cameron, A., Baron, J., and Prestley, B., *35* (Abst.)
Caron, G. A. (*See* Sarkany and Caron), *29* (Abst.)
Casaba-BiFearn, H. J., and West, G. B., *15* (Abst.)
Cass, R. M., Condemi, J. J., Leddy, J. P., and Vaughan, J. H., 115 (Abst.)
—. (*See* Andersen and Cass), 98 (Abst.)
Centeno, E. R., Attallah, N., and Sehon, A. H., 120 (Abst.)
Chai, H., Falliers, C. J., Dietiker, F., and Franz, B., 109 (Abst.)
Chang, C. H. J. (*See* Wittig and Chang), 245
Chaparas, S. D. (*See* Beier and Chaparas), *13* (Abst.)
Cheng, J. (*See* May, C. D., et al.), 123 (Abst.)
Chodirker, W. B., Bock, G., and Vaughan, J. H., 126 (Abst.)
—. (*See* Swedlund, H. A., et al.), 116 (Abst.)
Chosy, J. J. (*See* Ouellette, J. J., et al.), 102 (Abst.), 234
Chou, L. (*See* Swineford and Wang), 37
Claman, H. N., Merrill, D. A., and Hartley, T. F., 116 (Abst.)
Clary, R. (*See* Pady, S. M., et al.), 302
Cluff, L. E. (*See* Thoburn, R., et al.), *3* (Abst.)
Cohen, M. (*See* Reed, C. E., et al.), 127 (Abst.)
Cohen, S. G., Kostage, S. T., and Rizzo, A. P., 129
Collins-Williams, C., Tkachyk, S. J., and Moscarello, M., *10* (Abst.)
Condemi, J. J. (*See* Bodman and Condemi), 106 (Abst.)
—. (*See* Cass, R. M., et al.), 115 (Abst.)
Connell, E. B. (*See* Connell, J. T., et al.), 57
Connell, J. T., 108 (Abst.), 358
—, Connell, E. B., and Lidd, D., 57
Cooper, M., Perey, D., McKneally, M., Gabrielsen, A., Sutherland, D., and Good, R., *12* (Abst.)
Cowen, D. E., *44* (Abst.)
Crawford, L. V. (*See* VanMetre, T. E., Jr., et al.), 110 (Abst.)
Creamer, B. (*See* Jones, N., et al.), *37* (Abst.)
Cree, E. M. (*See* Curtis, J. K., et al.), *12* (Abst.)
Curtis, J. K., Liska, A. P., Rasmussen, H. K., and Cree, E. M., *12* (Abst.)

D

Davis, J. (*See* Hornbaker, J., et al.), *40* (Abst.)
Davis, S. D. (*See* Schaller, J., et al.), *21* (Abst.)
Dees, S. C. (*See* Buckley and Dees), 101 (Abst.)
Denman, A. M., Denman, E. J., and Holborow, E. J., *22* (Abst.)
Denman, E. J. (*See* Denman, A. M., et al.), *22* (Abst.)
Devlin, J. G., Brien, T., and Stephensen, N., *11* (Abst.)
Dick, C. (*See* Girsh, L. S., et al.), 347
Dietiker, F. (*See* Chai, H., et al.), 109 (Abst.)
D'Lugoff, B. C. (*See* Norman, P. S., et al.), 82
Dupont, E. M., Field, R. C., Leathers, C. R., and Northey, W. T., 238
Dutton, R. W. (*See* Mishell and Dutton), *13* (Abst.)

E

Easton, J. (*See* Heimlich, E. M., et al.), 111 (Abst.)
Eisen, A. H., and Bacal, H. L. 125 (Abst.)
Ellis, E. F., and Robbins, J. B., 115 (Abst.)
Enta, T. (*See* Reed, C. E., et al.), 127 (Abst.)
Epstein, E., *3* (Abst.), *11* (Abst.)
—, and Maibach, H. I., *20* (Abst.)
Evans, D. A., 340
Eveland, W. F. (*See* Yamate and Eveland), 112 (Abst.)

F

Fagerber, E., *26* (Abst.)
Fairburn, E. A. (*See* Trotter and Fairburn), *27* (Abst.)
Falliers, C. J. (*See* Chai, H., et al.), 109 (Abst.)
—. (*See* Jorgensen and Falliers), *28* (Abst.)
Farr, R. S. (*See* Kohler and Farr), 99 (Abst.), 311
—. (*See* Wold and Farr), 100 (Abst.)
Feick, P. (*See* Schade, S. G., et al.), *24* (Abst.)
Fein, B. T., Kamin, P. B., and Fein, N. N., *7* (Abst.)
Fein, N. N. (*See* Fein, B. T., et al.), *7* (Abst.)

FEINBERG, A. R., (*See* FEINBERG, S. M., et al.), 118 (Abst.)
FEINBERG, S. M., FEINBERG, A. R., and LEE, F., 118 (Abst.)
FEINBLATT, B. I., ACETO, T., JR., BECKHORN, G., and BRUCH, E., *13* (Abst.)
FELDMAN, H. A. (*See* VOLK, D. W., et al.), *39* (Abst.)
FELLNER, M. J., REDMOND, A. P., LEVINE, B. B., and BAER, R. L., 106 (Abst.)
FIELD, R. C. (*See* DUPONT, E. M., et al.), 238
FILIPP, G., and BOROS, B. v., 167
FINK, J. N., BARBORIAK, J. J., and SOSMAN, A. J., 105 (Abst.), 214
FINKE, S. R. (*See* MIDDLETON and FINKE), 103 (Abst.)
FJELDBORG, O. (*See* PETERSEN, V. P., et al.), *29* (Abst.)
FLAX, M. H. (*See* MONACO, A. P., et al.), *37* (Abst.)
FOSTER, E. (*See* HORNBAKER, J., et al.), *40* (Abst.)
FOWLER, I., MORRIS, E., and WHITLEY, T., *37* (Abst.)
FRANZ, B. (*See* CHAI, H., et al.), 109 (Abst.)
FRASIER, S. D., and SMITH, F. G., *38* (Abst.)
FREEDMAN, S. O. (*See* GOLD, P., et al.), 117 (Abst.)
FRICK, O. L., and TOLLACKSON, K. A., 119 (Abst.)
FRIEDMAN, H. (*See* HEINE, W., et al.), *8* (Abst.)
FRIEDMAN, I. (*See* REISMAN, R. E., et al.), 111 (Abst.)
FUKUSHIMA, I. (*See* MATSUMURA, T., et al.), *11* (Abst.)

G

GABRIELSEN, A. (*See* COOPER, M., et al.), *12* (Abst.)
GERRARD, J. W., *26* (Abst.)
GIMLETT, T. (*See* JONES, N., et al.), *37* (Abst.)
GIRARD, J. P., ROSE, N. R., KUNZ, M. L., KOBAYASHI, S., and ARBESMAN, C. E., 65
GIRSH, L. S., SHUBIN, E., DICK, C., and SCHULANER, F. A., 347
—, YU, M., JONES, J., and SCHULANER, F. A., *22* (Abst.)
GLEICH, G. J. (*See* HANSEN, R. L., et al.), 122 (Abst.)
—. (*See* SWEDLUND, H. A., et al.), 116 (Abst.)
GLENNON, J. A. (*See* LOCKEY, S. D., JR., et al.), 102 (Abst.)
GOLD, P., KRUPEY, J., SAULT, F., and FREEDMAN, S. O., 117 (Abst.)
GOLDBERG, H. (*See* HEINE, W., et al.), *8* (Abst.)
GOOD, R. (*See* COOPER, M., et al.), *12* (Abst.)
GOODFRIEND, L., PHILLS, J. A., and ROSE, B., 98 (Abst.)
GOYAL, R. K. (*See* VAISHNAVA, H., et al.), *52* (Abst.)
GREEN, G. (*See* ZWEIMAN, B., et al.), 11
GREEN, I., LITWIN, S., ALDERSBERG, R., and RUBIN, I., *40* (Abst.)
GREEN, W. (*See* BLACKBURN and GREEN), *24* (Abst.)
GREENBERGER, N. J. (*See* TENNENBAUM, J. I., et al.), 107 (Abst.)
GRICE, K. A. (*See* BETTLEY and GRICE), *35* (Abst.)
GRIECO, M., *36* (Abst.)

H

HALL, J., and HENDERSON, L., *2* (Abst.)
HALLE, C. I., and LOWELL, F. C., with the assistance of WILLIAMS, M., 33
HALLENBECK, G. A. (*See* APPLEMAN, R. M., et al.), *38* (Abst.)
HANASHIRO, P., and WEIL, M., *39* (Abst.)
HANSEN, R. L., and GLEICH, G. J., 122 (Abst.)
HANSHAW, J. B., *30* (Abst.)
HARTLEY, T. F. (*See* CLAMAN, H. N., et al.), 116 (Abst.)
HARVEY, E. (*See* JENNINGS, P., et al.), 148
HASS, G. M. (*See* MCCREARY, P. A., et al.), *46* (Abst.)
HEGRE, A. M. (*See* SMITH and HEGRE), *44* (Abst.)
HEIMLICH, E. M., EASTON, J., BUSSER, R. J., WHITE, J., and AARON, B., 111 (Abst.)
—. (*See* SLY, R. M., et al.), 126 (Abst.)
—. (*See* ZAID, G., et al.), 127 (Abst.)
HEINE, W., FRIEDMAN, H., MANDELL, M., and GOLDBERG, H., *8* (Abst.)
HENDERSON, L. (*See* HALL and HENDERSON), *2* (Abst.)
HERSH, L., *16* (Abst.)
HILDRETH, E. A. (*See* ZWEIMAN, B., et al.), *6* (Abst.), 11, *31* (Abst.)
HIRSCH, S. R., and KORY, R. C., 265
HOLBOROW, E. J. (*See* DENMAN, A. M., et al.), *22* (Abst.)
HOLLAND, P. V. (*See* LOSTUMBO, M. M., et al.), *4* (Abst.)
HORNBAKER, J., FOSTER, E., WILLIAMS, G., and DAVIS, J., *40* (Abst.)
HORNBROOK, M. M. (*See* ISHIZAKA, T., et al.), 99 (Abst.)
HORTON, G. E., AND WRUBLE, L. D., *21* (Abst.)
HOSEN, H., 222
HRABA, T. (*See* MERCHANT AND HRABA), *15* (Abst.)

I

IRNELL, L., and NORDGREN, L., *2* (Abst.)
ISAKOVIC, K. (*See* JANKOVIC and ISAKOVIC), *5* (Abst.)
ISHIZAKA, K., ISHIZAKA, T., and ARBESMAN, C. E., 99 (Abst.), 254
—. (*See* ISHIZAKA, T., et al.), 99 (Abst.)
—. (*See* WICHER, K., et al.), 100 (Abst.)
ISHIZAKA, T., ISHIZAKA, K., and HORNBROOK, M. M., 99 (Abst.)
—. (*See* ISHIZAKA, K., et al.), 99 (Abst.), 254
ITKIN, I. H. (*See* KIND, L. S., et al.), 120 (Abst.)

J

JACOBSON, A. (*See* KALES, A., et al.), 103 (Abst.)
JANDL, J. H. (*See* BECKER, C. E., et al.), *7* (Abst.)
JANKOVIC, B. D., and ISAKOVIC, K., *5* (Abst.)
JENNINGS, P., BLOCK, J., HARVEY, E., NUROCK, A., SIMPSON, E., and YARRIS, J., 148
JOHNSON, J. E., III (*See* THOBURN, R., et al.), *3* (Abst.)
JONES, J. (*See* GIRSH, L. S., et al.), *22* (Abst.)
JONES, N., CREAMER, B., and GIMLETT, T., *37* (Abst.)
JORGENSEN, J. R., and FALLIERS, C. J., *28* (Abst.)
JOSEPHSON, B. M., 198 (Correspondence)
—. (*See* BROWN, E. B., et al.), 101 (Abst.)

K

KAHN, B., and SCHWARTZ, H. J., 171
KALES, A., BEALL, G. N., BAJOR, G. F., JACOBSON, A., ZWEIZIG, J. R., WALTER, R., and ZAID, G., 103 (Abst.)
KAMIN, P. B. (*See* FEIN, B. T., et al.), *7* (Abst.)
KANTOR, F. S. (*See* PHAIR, J. P., et al.), 111 (Abst.)
KAPLAN, D. (*See* KOCH and KAPLAN), *7* (Abst.)
KAPLAN, K., and WEINSTEIN, L., *47* (Abst.)
KEIGHLEY, J. F., *34* (Abst.)
KENT, D. C., *46* (Abst.)
KILBURN, K. H., *36* (Abst.)
KIND, L. S., BANOVITZ, J., MENZEL, A., and NILSSON, B., 17
—, ITKIN, I. H., and ANAND, S., 120 (Abst.)
KISSMEYER-NIELSEN, F. (*See* PETERSEN, V. P., et al.), *29* (Abst.)
KLEIN, R. C. (*See* SALVAGGIO and KLEIN), 227
KOBAYASHI, S. (*See* GIRARD, J. P., et al.), 65
—. (*See* WICHER, K., et al.), 100 (Abst.)
KOCH, W., and KAPLAN, D., *7* (Abst.)
KOHLER, P. F., and FARR, R. S., 99 (Abst.), 311
KOPP, W. L., *20* (Abst.), 122 (Abst.)
KORY, R. C. (*See* HIRSCH and KORY), 265
KOSTAGE, S. T. (*See* COHEN, S. G., et al.), 129
KRAMER, C. L. (*See* PADY, S. M., et al.), 302
KRUPEY, J. (*See* GOLD, P., et al.), 117 (Abst.)
KUHNS, W. J., *14* (Abst.)
KUNDUR, V. G. (*See* SALVAGGIO, J. E., et al.), 106 (Abst.)
KUNKEL, H. G. (*See* TAN and KUNKEL), *30* (Abst.)
KUNZ, M. L. (*See* GIRARD, J. P., et al.), 65

L

LAGUNOFF, D. (*See* SCHALLER, J., et al.), *21* (Abst.)
LAI, M., ROSNER, F., and RITZ, N. D., *4* (Abst.)
LAING, G. H. (*See* MCCREARY, P. A., et al.), *46* (Abst.)
LANZI, R. A., MURPHY, W. H., and ABELL, M. R., 117 (Abst.)
LAYTON, L. L., and MCKEE, M. A., 113 (Abst.)
—. (*See* PERLMAN and LAYTON), 205
LEATHERS, C. R. (*See* DUPONT, E. M., et al.), 238
LEDDY, J. P. (*See* CASS, R. M., et al.), 115 (Abst.)
LEE, F. (*See* FEINBERG, S. M., et al.), 118 (Abst.)
LEOPOLD, H. C. (*See* RYNES, S. E., et al.), 139
LEUPEN, M. J. (*See* VOORHORST, R., et al.), 325
LEVIN, M. (*See* WILLIAMS and LEVIN), *19* (Abst.)
LEVINE, B. B., and REDMOND, A. P., 112 (Abst.)
—. (*See* FELLNER, M. J., et al.), 106 (Abst.)
—. (*See* REDMOND and LEVINE), 51
—. (*See* ZOLOV, D., et al.), 107 (Abst.)
LEVINE, H. S. (*See* BROWN, E. B., et al.), 101 (Abst.)
LEVINE, L. (*See* PIERONI and LEVINE), 25, 93
LEVINE, R. J. (*See* PHAIR, J. P., et al.), 111 (Abst.)
LEVINE, S., and WENK, E. J., *12* (Abst.), *47* (Abst.)
LEVY, D. A., and OSLER, A. G., 124 (Abst.)
LEZNOFF, A. (*See* SOLOMON, L. M., et al.), *27* (Abst.)
LICHTENSTEIN, L. M., NORMAN, P. S., and WINKENWERDER, W. L., 124 (Abst.)
LIDD, D. (*See* CONNELL, J. T., et al.), 57
LISKA, A. P. (*See* CURTIS, J. K., et al.), *12* (Abst.)
LITWIN, S. (*See* GREEN, I., et al.), *40* (Abst.)
LOCKEY, S. D., JR., GLENNON, J. A., and REED, C. E., 102 (Abst.)
LOPEZ, A. (*See* VANMETRE and LOPEZ), 109 (Abst.)
LOPEZ-MAJANO, V., TOW, D. E., and WAGNER, H. N., JR., *21* (Abst.)
LOSTUMBO, M. M., HOLLAND, P. V., and SCHMIDT, P. J., *4* (Abst.)
LOWELL, F. C., with the assistance of Williams, M., 110 (Abst.)
—. (*See* HALLE and LOWELL), 33
LYKLEMA, A. W. (*See* VOORHORST, R., et al.), 325
LYMAN, M. (*See* MAY, C. D., et al.), 123 (Abst.)

M

MCCREARY, P. A., BATTIFORA, H. A., LAING, G. H., and HASS, G. M., *46* (Abst.)
MACGREGOR, R. R. (*See* BECKER, C. E., et al.), *7* (Abst.)
MCILVANIE, S. K., *16* (Abst.)
MCKABA, D. G., and SUSSDORF, D. H., 284

McKee, M. A. (*See* Layton and McKee), 113 (Abst.)
McKee, W. D., 198 (Correspondence)
—, Arnold, C. A., and Perlman, M. D., 294
McKenna, J. M. (*See* Abdou and McKenna), 114 (Abst.)
McKneally, M. (*See* Cooper, M., et al.), *12* (Abst.)
Maibach, H. I. (*See* Epstein and Maibach), *20* (Abst.)
—. (*See* Pappagianis, D., et al.), *35* (Abst.)
Malley, A., and Perlman, F., 121 (Abst.)
Mandell, M., (*See* Heine, W., et al.), *8* (Abst.)
Martinez-Malonado, M. (*See* Toro-Gayco, E., et al.), *47* (Abst.)
Mathews, K. P., and Pan, P. M., 119 (Abst.)
—. (*See* Stevenson and Mathews), 274
Mathur, G. P. (*See* Vaishnava, H., et al.), *32* (Abst.)
Matos, M. (*See* Toro-Gayco, E., et al.), *47* (Abst.)
Matsumura, T., Takayoshi, K., and Fukushima, I., *11* (Abst.)
Mattila, M., and Muittari, A., *42* (Abst.)
May, C. D., Cheng, J., and Lyman, M., 123 (Abst.)
Mayock, R. L., (*See* Zweiman, B., et al.), 11
Menzel, A. (*See* Kind, L. S., et al.), 17
Merchant, B., and Hraba, T., *15* (Abst.)
Merrill, D. A. (*See* Claman, H. N., et al.), 116 (Abst.)
Middleton, E., Jr., and Finke, S. R., 103 (Abst.)
Miller, J., *42* (Abst.)
Milon, C. F. (*See* Rynes, S. E., et al.), 139
Minden, P., and Reid, R. T., 120 (Abst.)
—. (*See* Reid and Minden), 121 (Abst.)
Mishell, R. I., and Dutton, R. W., *13* (Abst.)
Mishima, K. (*See* Shioda and Mishima), *8* (Abst.)
Mishkin, F. S., and Wagner, H. N., Jr., 101 (Abst.)
Miyamoto, T. (*See* Patterson and Miyamoto), 103 (Abst.)
Mollison, P. L. (*See* Morrison and Mollison), *4* (Abst.)
Monaco, A. P., Abbott, W. M., Biemann, O. H., Simmons, R. L., Wood, M. L., Flax, M. H., and Russell, P. S., *37* (Abst.)
Morris, E. (*See* Fowler, I., et al.), *37* (Abst.)
Morrison, A. N. (*See* Bachand, A. J., et al.), *48* (Abst.)
Morrison, F. S., and Mollison, P. L., *4* (Abst.)
Moscarello, M. (*See* Collins-Williams, C., et al.), *10* (Abst.)
Muckerheide, M. M. (*See* Schade, S. G., et al.), *24* (Abst.)
Muittari, A. (*See* Mattila and Muittari), *42* (Abst.)
Murphy, W. H. (*See* Lanzi, R. A., et al.), 117 (Abst.)
Myers, J. (*See* Sargent, A. U., et al.), *6* (Abst.)

N

Nagaya, H., and Sieker, H. O., 113 (Abst.)
Neogy, C. N. (*See* Vaishnava, H., et al.), *32* (Abst.)
Nilsson, B. (*See* Kind, L. S., et al.), 17
Noonan, S. M. (*See* Sweet, L. C., et al.), 118 (Abst.)
Nordgren, L. (*See* Irnell and Nordgren), *2* (Abst.)
Norman, P. S., Winkenwerder, W. L., and D'Lugoff, B. C., with the assistance of Tignall, J., 82
—. (*See* Lichtenstein, L. M., et al.), 124 (Abst.)
Nurock, A. (*See* Jennings, P., et al.), 148

O

Oakley, C. L. (*See* Beck, J. S., et al.), *5* (Abst.)
Olsen, S. (*See* Petersen, V. P., et al.), *29* (Abst.)
Onoue, K., Yagi, Y., and Pressman, D., *23* (Abst.)
Osler, A. G. (*See* Levy and Osler), 124 (Abst.)
Ouellette, J. J., Chosy, J., and Reed, C. E., 102 (Abst.), 234
—, and Reed, C. E., 160

P

Pady, S. M., Kramer, C. L., and Clary, R., 302
Pan, P. M. (*See* Mathews and Pan), 119 (Abst.)
Pappagianis, D., Maibach, H., and Smith, C., *35* (Abst.)
Patterson, R., and Miyamoto, T., 103 (Abst.)
—. (*See* Aaronson, D. W., et al.), 117 (Abst.)
—. (*See* Pruzansky and Patterson), 44
—. (*See* Pruzansky, J. J., et al.), 123 (Abst.)
Pegum, J. S., *43* (Abst.)
Pellegrino, A. (*See* Pieroni and Levine), 25, 93
Pennington, J. H. (*See* Robinson and Pennington), *34* (Abst.)
Perey, D. (*See* Cooper, M., et al.), *12* (Abst.)
Perlman, F., and Layton, L. L., 205
—. (*See* Malley and Perlman), 121 (Abst.)
Perlman, M. D. (*See* McKee, W. D., et al.), 294
Petersen, V. P., Olsen, S., Kissmeyer-Nielsen, F., and Fjeldborg, O., *29* (Abst.)
Phair, J. P., Levine, R. J., and Kantor, F. S., 111 (Abst.)
Phills, J. A. (*See* Goodfriend, L., et al.), 98 (Abst.)
Pieroni, R. E., and Levine, L., with the assistance of Broderick, E. J., and Pellegrino, A., 25, 93
Porter, R. J., *14* (Abst.)
Pressman, D. (*See* Onoue, K., et al.), *23* (Abst.)

PRESTLEY, B. (*See* CAMERON, A., et al.), *35* (Abst.)
PRIGAL, S. J., 1
PRUZANSKY, J. J., and PATTERSON, R., 44
—, WEISZER, I., and PATTERSON, R., 123 (Abst.)

R

RASMUSSEN, H. K. (*See* CURTIS, J. K., et al.), *12* (Abst.)
REBUCK, J. W. (*See* SWEET, L. C., et al.), 118 (Abst.)
REDMOND, A. P., and LEVINE, B. B., 51
—. (*See* FELLNER, M. J., et al.), 106 (Abst.)
—. (*See* LEVINE and REDMOND), 112 (Abst.)
—. (*See* ZOLOV, D., et al.), 107 (Abst.)
REED, C. E., COHEN, M., and ENTA, T., 127 (Abst.)
—. (*See* (LOCKEY, S. D., JR., et al.), 102 (Abst.)
—. (*See* OUELLETTE and REED), 160
—. (*See* OUELLETTE, J. J., et al.), 102 (Abst.), 234
REID, R. T., and MINDEN, P., 121 (Abst.)
—. (*See* MINDEN and REID), 120 (Abst.)
REISMAN, R. E., FRIEDMAN, I., and ARBESMAN, C. E., 111 (Abst.)
—. (*See* ARBESMAN, C. E., et al.), 124 (Abst.)
RICHTER, M. (*See* SARGENT, A. U., et al.), *6* (Abst.)
RIPE, E., *10* (Abst.)
RITZ, N. D. (*See* LAI, M., et al.), *4* (Abst.)
RIZZO, A. P. (*See* COHEN, S. G., et al.), 129
ROBB, J. H., *48* (Abst.)
ROBBINS, J. B. (*See* ELLIS and ROBBINS), 115 (Abst.)
ROBINSON, T. W. E., and PENNINGTON, J. H., *34* (Abst.)
ROSE, B. (*See* GOODFRIEND, L., et al.), 98 (Abst.)
ROSE, N. R. (*See* GIRARD, J. P., et al.), 65
ROSENTHALE, M. E. (*See* BAXTER and ROSENTHALE), *45* (Abst.)
ROSNER, F. (*See* LAI, M., et al.), *4* (Abst.)
ROWELL, N. R. (*See* BECK, J. S., et al.), *5* (Abst.)
RUBENSTEIN, J. (*See* BACHAND, A. J., et al.), *48* (Abst.)
RUBIN, I. (*See* GREEN, I., et al.), *40* (Abst.)
RUPPERT, R. D. (*See* TENNENBAUM, J. I., et al.), 107 (Abst.)
RUSSELL, P. S. (*See* MONACO, A. P., et al.), *37* (Abst.)
RYNES, S. E., MILON, C. F., and LEOPOLD, H. C., 139

S

SALVAGGIO, J. E., and KLEIN, R. C., 227
—, SEABURY, J. H., BUECHNER, H. A., and KUNDUR, V. G., 106 (Abst.)
SARGENT, A. U., MYERS, J., and RICHTER, M., *6* (Abst.)
SARKANY, I., and CARON, G. A., *29* (Abst.)
SAULT, F. (*See* GOLD, P., et al.), 117 (Abst.)
SCHADE, S. G., FEICK, P., MUCKERHEIDE, M. M., and SCHILLING, R. F., *24* (Abst.)
SCHALLER, J., DAVIS, S. D., YI-CHUAN, C., LAGUNOFF, D., WILLIAMS, C., and WEDGWOOD, R. J., *21* (Abst.)
SCHILLING, R. F. (*See* SCHADE, S. G., et al.), *24* (Abst.)
SCHMIDT, P. J. (*See* LOSTUMBO, M. M., et al.), *4* (Abst.)
SCHOENWETTER, W. F. (*See* ZWEIMAN, B., et al.), *6* (Abst.)
SCHULANER, F. A. (*See* GIRSH, L. S., et al.), *22* (Abst.), 347
SCHUMACHER, G. A. (*See* AHUJA and SCHUMACHER), *24* (Abst.)
SCHWARTZ, H. J. (*See* KAHN and SCHWARTZ), 171
SCUTT, R. W. B., *20* (Abst.)
SEABURY, J. H. (*See* SALVAGGIO, J. E., et al.), 106 (Abst.)
SÉHON, A. H. (*See* CENTENO, E. R., et al.), 120 (Abst.)
SETTIPANE, G. A. (*See* BUFFUM and SETTIPANE), *19* (Abst.)
SHEAGREN, J. (*See* WALDORF, D. S., et al.), *39* (Abst.)
SHIODA, H., and MISHIMA, K., *8* (Abst.)
SHORTER, R. G. (*See* APPLEMAN, R. M., et al.), *38* (Abst.)
SHUBIN, E. (*See* GIRSH, L. S., et al.), 347
SIEKER, H. O. (*See* NAGAYA and SIEKER), 113 (Abst.)
SIMMONS, R. L. (*See* MONACO, A. P., et al.), *37* (Abst.)
SIMPSON, E. (*See* JENNINGS, P., et al.), 148
SLAVIN, R. G., 125 (Abst.)
SLY, R. M., HEIMLICH, E. M., BUSSER, R. J., and STRICK, L., 126 (Abst.)
SMITH, C. (*See* PAPPAGIANIS, D., et al.), *35* (Abst.)
SMITH, F. G., (*See* FRASIER and SMITH), *38* (Abst.)
SMITH, R. E., and HEGRE, A. M., *44* (Abst.)
SNIDER, G. L., *45* (Abst.)
SOBEL, G., *18* (Abst.)
SOLOMON, L. M., STRAUSS, H., and LEZNOFF, A., *27* (Abst.)
SOLOMON, W. R., 108 (Abst.)
SOSMAN, A. J. (*See* FINK, J. N., et al.), 105 (Abst.), 214
SPIEKSMA, F. TH. M. (*See* VOORHORST, R., et al.), 325
STEINSCHNEIDER, A. (*See* VOLK, D. W., et al.), *39* (Abst.)
STEPHENSEN, N. (*See* DEVLIN, J. G., et al.), *11* (Abst.)
STEVENSON, D. D., and MATHEWS, K. P., 274
STRAUSS, H. (*See* SOLOMON, L. M., et al.), *27* (Abst.)
STRICK, L. (*See* SLY, R. M., et al.), 126 (Abst.)
SUSSDORF, D. H. (*See* MCKABA and SUSSDORF), 284
SUTHERLAND, D. (*See* COOPER, M., et al.), *12* (Abst.)
SWEDLUND, H. A., GLEICH, G. J., and CHODIRKER, W. B., 116 (Abst.)
SWEET, L. C., REBUCK, J. W., and NOONAN, S. M., 118 (Abst.)

SWINEFORD, O., JR., and WANG, L., WITH THE ASSISTANCE OF CHOU, L., and TINSLEY, A., 37
SZENTIVANYI, A. (*See* TOWNLEY, R. G., et al.), 177

T

TAKAYOSHI, K. (*See* MATSUMURA, T., et al.), *11* (Abst.)
TAN, E. M., AND KUNKEL, H. G., *30* (Abst.)
TENNENBAUM, J. I., GREENBERGER, N. J., and RUPPERT, R. D., 107 (Abst.)
TERR, A. I., ALLEN, R. J., and VANSELOW, N. A., *39* (Abst.)
THOBURN, R., JOHNSON, J. E., III, and CLUFF, L. E., *3* (Abst.)
TIGNALL, J. (*See* NORMAN, P. S., et al.), 82
TINSLEY, A. (*See* SWINEFORD and WANG), 37
TKACHYK, S. J. (*See* COLLINS-WILLIAMS, C., et al.), *10* (Abst.)
TOLLACKSON, K. A. (*See* FRICK and TOLLACKSON), 119 (Abst.)
TORO-GAYCO, E., MARTINEZ-MALONADO, M., and MATOS, M., *47* (Abst.)
TORSNEY, P., and BLUMSTEIN, G. I., *43* (Abst.)
—. (*See* TUFT and TORSNEY), *44* (Abst.)
TOW, D. E. (*See* LOPEZ-MAJANO, V., et al.), *21* (Abst.)
TOWNLEY, R. G., TRAPANI, I. L., and SZENTIVANYI, A., 177
TRAPANI, I. L., (*See* TOWNLEY, R. G., et al.), 177
TROTTER, M. D., AND FAIRBURN, E. A. *27* (Abst.)
TUFT, L., *18* (Abst.)
—, and TORSNEY, P. J., *44* (Abst.)

V

VAISHNAVA, H., GOYAL, R. K., NEOGY, C. N., and MATHUR, G. P., *32* (Abst.)
VANMETRE, T. E., JR., ANDERSON, A. S., BARNARD, J. H., BERNSTEIN, I. L., CRAWFORD, L. V., and WITTIG, H. J., 110 (Abst.)
—, and LOPEZ, A., 109 (Abst.)
VANSELOW, N. A. (*See* TERR, A. I., et al.), *39* (Abst.)
VAREKAMP, H. (*See* VOORHORST, R., et al.), 325
VAUGHAN, J. H. (*See* CASS, R. M., et al.), 115 (Abst.)
—. (*See* CHODIRKER, W. B., et al.), 126 (Abst.)
VOLK, D. W., FELDMAN, H. A., and STEINSCHNEIDER, A., *39* (Abst.)
VOORHORST, R., SPIEKSMA, F. TH. M., VAREKAMP, H., LEUPEN, M. J., and LYKLEMA, A. W., 325

W

WAGNER, H. N., JR. (*See* LOPEZ-MAJANO, V., et al.), *21* (Abst.)
—. (*See* MISHKIN and WAGNER), 101 (Abst.)
WALDORF, D. S., SHEAGREN, J., and BLACK, J., *39* (Abst.)
WALKER, K. S. (*See* BECKER, C. E., et al.), *7* (Abst.)
WALTER, R. (*See* KALES, A., et al.), 103 (Abst.)
WALZER, E. H., BOWMAN, K. L., and WALZER, M., 104 (Abst.)
WALZER, M. (*See* WALZER, E. H., et al.), 104 (Abst.)
WANG, L. (*See* SWINEFORD and WANG), 37
WEDGWOOD, R. J. (*See* SCHALLER, J., et al.), *21* (Abst.)
WEIL, M. (*See* HANASHIRO, and WEIL), *39* (Abst.)
WEINBERGER, H. J. (*See* BARNETT, E. V., et al.), 114 (Abst.)
WEINSTEIN, L. (*See* KAPLAN and WEINSTEIN), *47* (Abst.)
WEISZER, I. (*See* PRUZANSKY, J. J., et al.), 123 (Abst.)
WENK, E. J. (*See* LEVINE and WENK), *12* (Abst.), *47* (Abst.)
WENNEMARK, J. (*See* AARONSON, D. W., et al.), 117 (Abst.)
WEST, G. B. (*See* CASABA-BIFEARN and WEST), *15* (Abst.)
WHITE, J. (*See* HEIMLICH, E. M., et al.), 111 (Abst.)
WHITLEY, T. (*See* FOWLER, I., et al.), *37* (Abst.)
WICHER, K., KOBAYASHI, S., ARBESMAN, C. E., and ISHIZAKA, K., 100 (Abst.)
—. (*See* ARBESMAN, C. E., et al.), 124 (Abst.)
WILLIAMS, C. (*See* SCHALLER, J., et al.), *21* (Abst.)
WILLIAMS, G. (*See* HORNBAKER, J., et al.), *40* (Abst.)
WILLIAMS, M. (*See* HALLE and LOWELL), 33
—. (*See* LOWELL, F. C.), 110 (Abst.)
WILLIAMS, M. H., JR., and LEVIN, M., *19* (Abst.)
WILLIAMS, R. C., JR. (*See* WOLLHEIM and WILLIAMS), *6* (Abst.)
WINKELSTEIN, A. (*See* BARNETT, E. V., et al.), 114 (Abst.)
WINKENWERDER, W. L. (*See* LICHTENSTEIN, L. M., et al.), 124 (Abst.)
—. (*See* NORMAN, P. S., et al.), 82
WITTIG, H. J., and CHANG, C. H. J., 245
—. (*See* VANMETRE, T. E., JR., et al.), 110 (Abst.)
WOLD, R. T., and FARR, R. S., 100 (Abst.)
WOLLHEIM, F. A., and WILLIAMS, R. C., JR., *6* (Abst.)
WOOD, M. L. (*See* MONACO, A. P., et al.), *37* (Abst.)
WRUBLE, L. D. (*See* HORTON and WRUBLE), *21* (Abst.)

Y

YAGI, Y. (*See* ONOUE, K., et al.), *23* (Abst.)
YAMATE, M., and EVELAND, W. F., 112 (Abst.)
YARRIS, J. (*See* JENNINGS, P., et al.), 148
YI-CHUAN, C. (*See* SCHALLER, J., et al.), *21* (Abst.)
YU, M. (*See* GIRSH, L. S., et al.), *22* (Abst.)

Z

ZAID, G., AND BEALL, G. N., *26* (Abst.)
—, —, and HEIMLICH, E. M., 127 (Abst.)
—. (*See* KALES, A., et al.), 103 (Abst.)
ZOLOV, D., REDMOND, A. P., and LEVINE, B. B., 107 (Abst.)
ZUIDEMA, P. (*See* ARBLASTER and ZUIDEMA), *16* (Abst.)
ZWEIMAN, B., BESDINE, R. W., and HILDRETH, E. A., *31* (Abst.)
—, GREEN, G., MAYOCK, R. L., and HILDRETH, E. A., 11
—, SCHOENWETTER, W. F., and HILDRETH, E. A., *6* (Abst.)
ZWEIZIG, J. R. (*See* KALES, A., et al.), 103 (Abst.)

Subject index*

A

Acetylcholine infusion, effects on pulmonary circulation in patients with bronchial asthma, *2* (Abst.)

N-acetylcysteine, nebulized, effect on sputum consistency (Hirsch and Kory), 265

Actinomycetes, thermophilic, precipitins against extracts of, in sera of affected individuals: bagassosis, 106 (Abst.)

Adrenal responsiveness, effect of drug and dose in alternate-day steroid therapy on, 111 (Abst.)

Adrenalectomy, acceleration of passive transfer of allergic encephalomyelitis by, *12* (Abst.)

Adrenergic aerosols, iatrogenic asthma associated with, *34* (Abst.)

beta-, blockade, bronchial response to, *26* (Abst.)

partial, effect on bronchial response of hay fever subjects to ragweed aerosol (Ouellette and Reed), 160

receptors, sensitization to anaphylaxis and to some of its pharmacological mediators by blockade of (Townley et al.), 177

or cholinergic blockade, effect on exercise-induced bronchospasm, 126 (Abst.)

Adrenocorticosteroids and endotoxin, effect on human leukocyte granules, 126 (Abst.)

Aerosol(s), adrenergic, iatrogenic asthma associated with, *34* (Abst.)

bronchodilator, effect on peak expiratory flow rate in asthmatic patients, *42* (Abst.)

ragweed, effect of partial beta-adrenergic blockade on bronchial response of hay fever subjects to (Ouellette and Reed), 160

Agammaglobulinemia with polyarthritis and cutaneous granulomata, 114 (Abst.)

Agar gel double-diffusion precipitin system, immunologic studies in tuberculosis utilizing, *46* (Abst.)

Airborne fungi in Albuquerque, New Mexico (Dupont et al.), 238

in orchard, diurnal periodicity (Pady et al.), 302

Airway disease, obstructive: immediate and late results of treatment in alpine climate, *16* (Abst.)

Albuminuria, orthostatic, significance of food allergy in etiology of, *11* (Abst.)

Albuquerque, New Mexico, airborne fungi in (Dupont et al.), 238

Allergenic extracts, specific effect of injections; diminution of eosinophilotactic response (Halle and Lowell), 33

Allergen(s), emulsions, ferric chloride spot test for evaluation and standardization (Prigal), 1

hidden—vehicles and excipients, *44* (Abst.)

house-dust, identity with house-dust mite (*Dermatophagoides pteronyssinus*) and allergens it produces (Voorhorst et al.), 325

ragweed, isolation with specific immunosorbents, 120 (Abst.)

Allergen-induced eosinophilotaxis, role of fibrin in, 118 (Abst.)

Allergic patients, evaluation of response to injections of ragweed antigen, 123 (Abst.)

process, two components compared: allergic potential and severity of asthma (Jennings et al.), 148

Allografts, renal, canine, prolonged survival of: antibodies to lymphocytes, *37* (Abst.)

Allotransplant, human-kidney, transmission of glomerulonephritis from host to, *29* (Abst.)

Alphazurine 2G, anaphylaxis during lymphography, from, *20* (Abst.)

Alpine climate, immediate and late results of treatment of obstructive airway disease in, *16* (Abst.)

Alum-precipitated (Allpyral) extracts of allergens other than ragweed, treatment of allergic conditions with, *18* (Abst.)

extracts, use in hyposensitization treatment of patients allergic to stinging insects, *44* (Abst.)

American Academy of Allergy, annual report of Drug Committee (Grater), 200

Anaphylactic shock in man, *39* (Abst.)

*January, pp. 1-64; February, pp. 65-128; March, pp. 129-204; April, pp. 205-264; May, pp. 265-324; June, pp. 325-392.

Abstracts: January, pp. *1-8*; February, pp. *9-16*; March, pp. *17-24*; April, pp. *25-32*; May, pp. *33-40*; June, pp. *41-48*.

Anaphylactic-like reactions to human gamma globulin in hypogammaglobulinemia, 115 (Abst.)
Anaphylactoid purpura, hypoproteinemia in, *37* (Abst.)
reaction, effect of temperature on, *15* (Abst.)
Anaphylaxis from alphazurine 2G during lymphography, *20* (Abst.)
cutaneous, passive, induction in monkeys by human γE antibody (Ishizaka et al.), 254
to cephaloridine in nurse who prepared solutions of drug, *47* (Abst.)
differentiation of two types by heat and chemical inhibitors, 119 (Abst.)
experimental, observations on dynamics of microcirculation during, *48* (Abst.)
fatal, after intramuscular iron-dextran, *7* (Abst.)
sensitization to, and to some of its pharmacological mediators by blockade of beta-adrenergic receptors (Townley et al.), 177
Anemia, hemolytic, autoimmune, hypergammaglobulinemia, antibody deficiency, and nephritis in infant with familial lymphopenic immune defect, *21* (Abst.)
due to antibodies to penicillin, *4* (Abst.)
Announcements, 64, 128, 204, 324, 368
Antibody(ies), antihapten, IgM and IgG: hemolytic, hemagglutinating, and precipitating activity, *23* (Abst.)
antinuclear, transplacental passage, *5* (Abst.)
in atopic sera, studies by in vitro sensitization of monkey ileum, 100 (Abst.)
to cardiac tissue in acute ischemic heart disease, *8* (Abst.)
complement-fixing, cytomegalovirus, in microcephaly, *30* (Abst.)
to complex of intrinsic factor and vitamin B_{12}, occurrence in gastric juice, *24* (Abst.)
deficiency, hypergammaglobulinemia, autoimmune hemolytic anemia, and nephritis in infant with familial lymphopenic immune defect, *21* (Abst.)
formation in atopic and normal individuals, comparison, 122 (Abst.)
in nonimmune mouse peritoneal cells after incubation in gum containing antigen, *23* (Abst.)
γE, human, induction of passive cutaneous anaphylaxis in monkeys by (Ishizaka et al.), 254
to human growth hormone, *38* (Abst.)
Antibody(ies)—Cont'd
(IgG), blocking, low titers, penicilloyl-specific skin-sensitizing antibodies and, immediate penicillin reactions associated with, 106 (Abst.)
insulin: partial characterization by gel filtration, *47* (Abst.)
to lymphocytes: prolonged survival of canine renal allografts, *37* (Abst.)
to penicillin, hemolytic anemia due to, *4* (Abst.)
production in bursectomized chickens given repeated injections of antigen, *5* (Abst.)
reaginic, human, in vitro, quantitative measurements, 99 (Abst.)
induction with low molecular weight fraction of timothy pollen extract, 121 (Abst.)
stability and behavior: effects of freezing, thawing, and lyophilizing on skin-sensitizing activity of reaginic sera (Perlman and Layton), 205
skin-sensitizing, duration of tissue fixation of, 98 (Abst.)
specific binding of ragweed fraction, and immunoglobulins, studies on placental transfer (Connell et al.), 57
tumor-specific, role in tumor resistance, enhancement, and tolerance, 114 (Abst.)
Antigen(s), carcinoembryonic, of human digestive system, characterization, 117 (Abst.)
in delayed hypersensitivity, fate, 125 (Abst.)
E and ragweed extract, treatment of ragweed-sensitive patients with, 124 (Abst.)
changes in serum and leukocyte reactivity associated with, 124 (Abst.)
feeding, induction of immunological tolerance by. Effect of thymectomy on orally induced tolerance (Filipp and Boros), 167
hepatocellular, autologous, circulating, immune response to, *6* (Abst.)
injections, repeated, antibody production in bursectomized chickens given, *5* (Abst.)
nuclear, soluble, precipitating with sera of patients with systemic lupus erythematosus, characteristics, *30* (Abst.)
in vitro lymphocyte transformation in atopic patients induced by (Girard et al.), 65
Antigen-induced lymphocyte transformation following smallpox vaccination, *29* (Abst.)

Antigen-neutralizing capacity of serum, histamine release from leukocytes and, in vitro measurement, 123 (Abst.)
Antihapten antibody, IgM and IgG: hemolytic, hemagglutinating, and precipitating activity, *23* (Abst.)
Antihistamines, oral, basophil counts in patients with urticaria treated with, *34* (Abst.)
Antihistaminic preparation, multiphasic, use in treatment of hay fever: double-blind, crossover, placebo-controlled study, *42* (Abst.)
Antinuclear antibody, transplacental passage, *5* (Abst.)
Antisera, homologous and heterologous, specific, by passive desensitization, in actively sensitized guinea pigs (Swineford and Wang), 37
Antiserum against canine myocardium, biologic effects, 117 (Abst.)
in treatment of tetanus, controlled trial of, *32* (Abst.)
Antithymus serum, mechanisms of lymphopenia induced by, 113 (Abst.)
Arabinogalactan, ragweed, biologic properties, 120 (Abst.)
Arterial blood flow, pulmonary, during acute asthmatic attacks, regional decreases, 101 (Abst.)
in emphysema, regional distribution, *21* (Abst.)
Asthma in aged, *2* (Abst.)
bronchial, allergen inhalation tests on patients with, estimated by measuring maximum expiratory flow, *26* (Abst.)
effects of acetylcholine infusion on pulmonary circulation in patients with, *2* (Abst.)
or other allergic diseases, risk of mortality of varicella in patients, receiving corticosteroid therapy, with, *22* (Abst.)
sudden death from, *19* (Abst.)
in childhood, prognosis, *19* (Abst.)
right middle lobe atelectasis in (Wittig and Chang), 245
in children in Philadelphia, epidemiology (Girsh et al.), 347
rational approach to corticosteroid therapy for, *28* (Abst.)
efficacy of elimination diets in treatment, 110 (Abst.)
experimental, in primate, 103 (Abst.)
iatrogenic, associated with adrenergic aerosols, *34* (Abst.)
intractable, serum protein studies in, *10* (Abst.)
metabolic response to epinephrine in, 103 (Abst.)
Asthma—Cont'd
New Orleans: characterization of individuals involved in epidemics (Salvaggio and Klein), 227
occupational, following inhalation of moth particles (Stevenson and Mathews), 274
severity, and allergic potential: two components of allergic process compared (Jennings et al.), 148
Asthmatic attacks, acute, regional decreases in pulmonary arterial blood flow during, 101 (Abst.)
chronically, children, effects of physical therapy in, 109 (Abst.)
patients, effect of bronchodilator aerosols on peak expiratory flow rate in, *42* (Abst.)
sleep patterns, 103 (Abst.)
subjects, normal and, catecholamine excretion and bronchial response to methacholine after *Salmonella enteriditis* endotoxin in (Ouellette et al.), 102 (Abst.), 234
comparison of effect of epinephrine on circulating eosinophils of, 127 (Abst.)
metabolic responses to epinephrine, 102 (Abst.)
Atelectasis, right middle lobe, in childhood asthma (Wittig and Chang), 245
Atopic dermatitis and congenital defects, disease, and mortality, *43* (Abst.)
individuals, specific-binding capacity on leukocytes of, 112 (Abst.)
and nonatopic individuals, immunoglobulins in: significant difference in γD levels, 99 (Abst.)
quantitative comparison of immunoglobulins in: higher γD levels in atopic sera (Kohler and Farr), 311
and normal individuals, comparison of antibody formation in, 122 (Abst.)
patients, in vitro lymphocyte transformation induced by antigens in (Girard et al.), 65
sera, studies on antibodies in, by in vitro sensitization of monkey ileum, 100 (Abst.)
Autoimmune hemolytic anemia, hypergammaglobulinemia, antibody deficiency, and nephritis in infant with familial lymphopenic immune defect, *21* (Abst.)

B

Bacterial endotoxins, enhancement of susceptibility to (Pieroni and Levine), 93

Bagassosis: precipitins against extracts of thermophilic actinomycetes in sera of affected individuals, 106 (Abst.)

Basophil counts in patients with urticaria, treated with oral antihistamines, *34* (Abst.)

Beta-adrenergic blockade, bronchial response to, *26* (Abst.)

effect on exercise response, 127 (Abst.)

partial, effect on bronchial response of hay fever subjects to ragweed aerosol (Ouellette and Reed), 160

receptors, sensitization to anaphylaxis and to some of its pharmacological mediators by blockade of (Townley et al.), 177

Biologic effects of antiserum against canine myocardium, 117 (Abst.)

properties of ragweed arabinogalactan, 120 (Abst.)

Biological activity of B-lactoglobulin in human allergy to cow's milk, synthetic approaches to, *28* (Abst.)

Bordetella pertussis, immunogenic and sensitizing activities in mice: enhancement of susceptibiity to bacterial endotoxins (Pieroni and Levine), 93

properties of immunogenic and sensitizing activities in mice (Pieroni and Levine), 25

Bowel disorders, functional, milk allergy and/or, lactose intolerance syndrome mimicking, *21* (Abst.)

Bronchial asthma, allergen inhalation tests on patients with, estimated by measuring maximum expiratory flow, *26* (Abst.)

effects of acetylcholine infusion on pulmonary circulation in patients with, *2* (Abst.)

or other allergic diseases, risk of mortality of varicella in patients, receiving corticosteroid therapy, with, *22* (Abst.)

sudden death from, *19* (Abst.)

response to beta-adrenergic blockade, *26* (Abst.)

catecholamine excretion and, to methacholine after *Salmonella enteriditis* endotoxin in normal and asthmatic subjects (Ouellette et al.), 102 (Abst.), 234

of hay fever subjects to ragweed aerosol, effect of partial beta-adrenergic blockade on (Ouellette and Reed), 160

Bronchitis, chronic, and emphysema, bronchospastic component in patients with, *12* (Abst.)

familial recurrent rhinorrhea and, due to cow's milk, *26* (Abst.)

Bronchodilator aerosols, effect on peak expiratory flow rate in asthmatic patients, *42* (Abst.)

Bronchospasm, exercise-induced: effect of adrenergic or cholinergic blockade, 126 (Abst.)

Bronchospastic component in patients with chronic bronchitis and emphysema, *12* (Abst.)

Bursa of Fabricius, avian, mammalian equivalent, *12* (Abst.)

Bursectomized chickens given repeated injections of antigen, antibody production in, *5* (Abst.)

C

C_{3H} mice after immunization with line I_1 leukemia, age-related phenomena, 117 (Abst.)

Cancer—malignancy and allergy, double-blind study of comparative incidence (McKee et al.), 294

Carcinoembryonic antigens of human digestive system, characterization, 117 (Abst.)

Cardiac tissue in acute ischemic heart disease, antibodies to, *8* (Abst.)

Catecholamine excretion and bronchial response to methacholine after *Salmonella enteriditis* endotoxin in normal and asthmatic subjects (Ouellette et al.), 102 (Abst.), 234

Cell, eosinophil, responses, effects of immunosuppressive agents on (Cohen et al.), 129

mast, significance in nasal smears from patients with allergic disorders, *8* (Abst.)

Cephaloridine, anaphylaxis to, in nurse who prepared solutions of drug, *47* (Abst.)

Cephalosporins, penicillins and, cross-allergenicity of, *36* (Abst.)

Cerebrospinal fluid, lymphocyte transformation in multiple sclerosis induced by, *37* (Abst.)

Challenges, nasal ragweed pollen: altered reactivity to ragweed pollen following daily challenges or seasonal exposure, 108 (Abst.)

Chlorogenic acid and its protein conjugates, immunochemical and clinical studies on, 113 (Abst.)

Chlorpromazine and excessive isoproterenol in status asthmaticus, adverse effects, 109 (Abst.)

Cholinergic, adrenergic or, blockade, effect on exercise-induced bronchospasm, 126 (Abst.)

Chrome sensitivity associated with tropical footwear in Royal Navy, *20* (Abst.)

Coccidioidin, cutaneous reactions in humans, microscopic characteristics, *35* (Abst.)
Colitis, ulcerative, erythema multiforme, drugs and, *35* (Abst.)
Coma, shock, seizures and, with alkalosis during mechanical ventilation, *36* (Abst.)
Complement-fixing antibody, cytomegalovirus, in microcephaly, *30* (Abst.)
Congenital defects, disease, and mortality, atopic dermatitis and, *43* (Abst.)
Conjunctival testing in insect allergy, Hymenoptera sensitivity (Kahn and Schwartz), 171
Contact dermatitis from pastics containing tri-aryl phosphates, *43* (Abst.)
Correspondence, 198
Corticosteroid therapy for asthma in children, rational approach, *28* (Abst.)
risk of mortality of varicella in patients with bronchial asthma or other allergic diseases receiving, *22* (Abst.)
Cross-allergenicity of penicillins and cephalosporins, *36* (Abst.)
Cushing's syndrome, iatrogenic, mediastinal widening, 106 (Abst.)
Cutaneous anaphylaxis, passive, induction in monkeys by human γE antibody (Ishizaka et al.), 254
reactions to coccidioidin in humans, microscopic characteristics, *35* (Abst.)
Cytomegalovirus complement-fixing antibody in microcephaly, *30* (Abst.)

D

Delayed dermatographia: rate phenomenon associated with chronic urticaria, 100 (Abst.)
Dermatitis, atopic, and congenital defects, disease, and mortality, *43* (Abst.)
contact, from plastics containing tri-aryl phosphates, *43* (Abst.)
Dermatographia, delayed: rare phenomenon associated with chronic urticaria, 100 (Abst.)
Dermatologic agents, allergy to, *3* (Abst.)
Dermatophagoides pteronyssinus, house-dust mite, and allergens it produces: identity with house-dust allergen (Voorhorst et al.), 325
Desensitization, passive, specific, by specific homologous and heterologous antisera, in actively sensitized guinea pigs (Swineford and Wang), 37
in penicillin allergy, immunological studies, 107 (Abst.)
use of provocative skin tests in selecting extracts for (Hosen), 222
Dextran, iron-, intramuscular, fatal anaphylaxis after, 7 (Abst.)
Dichlorphene allergy, *11* (Abst.)
Diets, elimination, efficacy in treatment of asthma, 110 (Abst.)
Digestive system, human, characterization of carcinoembryonic antigens of, 117 (Abst.)
Dimethyl sulfoxide (DMSO), use in allergy skin testing, *44* (Abst.)
Diurnal periodicity in airborne fungi in orchard (Pady et al.), 302
DMSO, use in allergy skin testing, *44* (Abst.)
Drug(s), complexes of, with solubilized erythrocyte stroma receptors as agents for studying drug allergy, 119 (Abst.)
and dose effect on adrenal responsiveness in alternate-day steroid therapy, 111 (Abst.)
reactions, adverse, epidemiology of, *3* (Abst.)
Drug-induced systemic lupus erythematosus, *24* (Abst.)

E

Eczema, serum pseudocholinesterase in, *27* (Abst.)
Electroencephalogram in experimental allergic encephalomyelitis in Lewis rat, *45* (Abst.)
Electroimmunodiffusion, salivary immunoglobulins determined by, 116 (Abst.)
Emphysema, chronic bronchitis and, bronchospastic component in patients with, *12* (Abst.)
regional distribution of pulmonary arterial blood flow in, *21* (Abst.)
Emulsions of allergens, ferric chloride spot test for evaluation and standardization (Prigal), 1
Encephalomyelitis, allergic, exacerbation and transformation by pertussis vaccine, *47* (Abst.)
experimental, electroencephalogram in, in Lewis rat, *45* (Abst.)
protective effect of magnesium deficiency on, in rat, *46* (Abst.)
passive transfer: acceleration by adrenalectomy, *12* (Abst.)
Endotoxin, *Salmonella enteriditis*, catecholamine excretion and bronchial response to methacholine in normal and asthmatic subjects after (Ouellette et al.), 234
Endotoxins, bacterial, enhancement of susceptibility to (Pieroni and Levine), 93
Enteropathy, protein-losing, with gastrointestinal allergy, 107 (Abst.)

Environmental controls versus heredity in genesis of allergies, 101 (Abst.)
Eosinophil cell responses, effects of immunosuppressive agents on (Cohen et al.), 129
response in "skin window" to ragweed extract, 118 (Abst.)
Eosinophils, circulating, of normal and asthmatic subjects, effect of epinephrine on, 127 (Abst.)
Eosinophilia, experimental: effects of immunosuppressive agents on eosinophil cell responses (Cohen et al.), 129
Eosinophilotactic response, diminution; specific effect of injections of allergenic extracts, 33
Eosinophilotaxis, allergen-induced, role of fibrin in, 118 (Abst.)
Epidemics, characterization of individuals involved in: New Orleans asthma (Salvaggio and Klein), 227
Epidemiology of adverse drug reactions, *3* (Abst.)
asthma in children in Philadelphia (Girsh et al.), 347
Epinephrine, effect on circulating eosinophils of normal and asthmatic subjects, 127 (Abst.)
metabolic response in asthma to, 103 (Abst.)
of normal and asthmatic subjects to, 102 (Abst.)
Erythema multiforme, drugs and ulcerative colitis, *35* (Abst.)
Erythrocyte, solubilized, stroma receptors, complexes of drugs with, as agents for studying drug allergy, 119 (Abst.)
Exacerbation and transformation of allergic encephalomyelitis by pertussis vaccine, *47* (Abst.)
Exercise response, effect of beta-adrenergic blockade on, 127 (Abst.)
Exercise-induced bronchospasm: effect of adrenergic or cholinergic blockade, 126 (Abst.)
Expectorant—N-acetylcysteine, nebulized, effect on sputum consistency (Hirsch and Kory), 265
Expiratory flow, maximum, allergen inhalation tests on patients with bronchial asthma estimated by measuring, *26* (Abst.)
rate, peak, in asthmatic patients, effect of bronchodilator aerosols on, *42* (Abst.)
Extracts, allergenic, specific effect of injections; diminution of eosinophilotactic response (Halle and Lowell), 33
alum-precipitated, use in hyposensitization treatment of patients allergic to stinging insects, *44* (Abst.)
Extracts—Cont'd
pollen, ragweed, prepared by sonication and other methods, characterization (McKaba and Sussdorf), 284

F

Fabricius, bursa of, avian, mammalian equivalent, *12* (Abst.)
Familial occurrence and incidence of allergy, questionnaire (Josephson) (McKee), 198 (Correspondence)
Ferric chloride spot test for evaluation and standardization of emulsions of allergens (Prigal), 1
Fibrin in allergen-induced eosinophilotaxis, role, 118 (Abst.)
Food allergy in etiology of orthostatic albuminuria, significance, *11* (Abst.)
Formaldehyde allergy: incidence and patch test problems, *20* (Abst.)
Freezing, thawing, and lyophilizing, effects on skin-sensitizing activity of reaginic sera (Perlman and Layton), 205
Fungi, airborne, in Albuquerque, New Mexico (Dupont et al.), 238
orchard, diurnal periodicity (Pady et al.), 302

G

Gamma D levels, higher, in atopic sera: quantitative comparison of immunoglobulins in atopic and nonatopic individuals (Kohler and Farr), 311
significant difference in atopic and nonatopic individuals, 99 (Abst.)
E globulin antibody, correlation with reaginic activity, 99 (Abst.)
globulin, human, in hypogammaglobulinemia, anaphylactic-like reactions to, 115 (Abst.)
M, naturally occurring "light," structural similarity to artificial γM monomer resulting from sulfhydryl reduction, 116 (Abst.)
Gastric juice, occurrence of antibody to complex of intrinsic factor and vitamin B_{12} in, *24* (Abst.)
Gastrointestinal allergy, protein-losing enteropathy with, 107 (Abst.)
Globulin, antilymphocyte, effect on kidney disease, *22* (Abst.)
Glomerulonephritis, transmission from host to human-kidney allotransplant, *29* (Abst.)
Granulomata, cutaneous, polyarthritis and, agammaglobulinemia with, 114 (Abst.)
Granulomatosis, Wegener's, *16* (Abst.)

H

Haptens, simple, lymphoid cells producing antibody against: detection and enumeration, *15* (Abst.)

Hay fever, ragweed, controlled evaluations of repository therapy in (Norman et al.), 82

subjects, bronchial response of, to ragweed aerosol, effect of partial beta-adrenergic blockade on (Ouellette and Reed), 160

use of multiphasic antihistaminic preparation in treatment of: double-blind, crossover, placebo-controlled study, *42* (Abst.)

Heart disease, ischemic, acute, antibodies to cardiac tissue in, *8* (Abst.)

Hemagglutinating, hemolytic, and precipitating activity of IgM and IgG antihapten antibody, *23* (Abst.)

Hemolytic anemia due to antibodies to penicillin, *4* (Abst.)

hemagglutinating, and precipitating activity of IgM and IgG antihapten antibody, *23* (Abst.)

Hepatocellular antigens, autologous, circulating, immune response to, *6* (Abst.)

Heredity versus environmental controls in genesis of allergies, 101 (Abst.)

Heterogeneity of skin-fixing properties of immunoglobulin fractions with reaginic activity, 120 (Abst.)

Histamine release from leukocytes and antigen-neutralizing capacity of serum, in vitro measurement, 123 (Abst.)

of hypersensitive individuals: reduced sensitivity of leukocytes after injection therapy (Pruzansky and Patterson), 44

synthesis, pharmacologic inhibition: new approach to treatment of allergic disease? 111 (Abst.)

Hormone, human growth, antibodies to, *38* (Abst.)

House-dust mite (*Dermatophagoides pteronyssinus*) and allergens it produces: identity with house-dust allergen (Voorhorst et al.), 325

sensitivity: use of provocative skin tests in selecting extracts for desensitization (Hosen), 222

Human growth hormone, antibodies to, *38* (Abst.)

Hurwitz, Samuel Hayman, obituary, 203

Hydrocortisone, percutaneous absorption in children, *13* (Abst.)

Hymenoptera allergy, passive transfer, 104 (Abst.)

sensitivity, conjunctival testing (Kahn and Schwartz), 171

Hymenoptera sensitivity—Cont'd

experimental, in dog, by subcutaneous injections of whole insect extract, 104 (Abst.)

Hypergammaglobulinemia, antibody deficiency, autoimmune hemolytic anemia, and nephritis in infant with familial lymphopenic immune defect, *21* (Abst.)

Hypersensitive individuals, histamine release from leukocytes (Pruzansky and Patterson), 44

Hypersensitivity, delayed, fate of antigen in, 125 (Abst.)

impaired, in patients with lepromatous leprosy, *39* (Abst.)

transfer of, and transformation of lymphocytes in man, correlation, 125 (Abst.)

type, mechanism of reaction in vitro associated with, *31* (Abst.)

immediate, transfer by lymphocytes from blood of ragweed-sensitive patients (Rynes et al.), 139

penicillin, lymphocyte stimulation test in (Evans), 340

reactions, leukocytes and: eosinophil response in "skin window" to ragweed extract, 118 (Abst.)

tuberculin, in guinea pig, effect of scorbutic state on: in vitro mitotic response of lymphocytes, *31* (Abst.)

passive transfer, *6* (Abst.)

Hypogammaglobulinemia, anaphylactic-like reactions to human gamma globulin in, 115 (Abst.)

with late development of lymphosarcoma, *40* (Abst.)

Hypoproteinemia in anaphylactoid purpura, *37* (Abst.)

Hyposensitization treatment of patients allergic to stinging insects, use of alum-precipitated extracts in, *44* (Abst.)

I

Iatrogenic asthma associated with adrenergic aerosols, *34* (Abst.)

Cushing's syndrome, mediastinal widening, 106 (Abst.)

IgG, IgM and, antihapten antibody: hemolytic, hemagglutinating, and precipitating activity, *23* (Abst.)

IgM and IgG antihapten antibody: hemolytic, hemagglutinating, and precipitating activity, *23* (Abst.)

Immediate hypersensitivity, transfer by lymphocytes from blood of ragweed-sensitive patients (Rynes et al.), 139

skin tests, direct, and passive transfer tests in man, relationship between (Redmond and Levine), 51

Immune complexes initiating wheel-and-flare reactions, 112 (Abst.)
response to circulating autologous hepatocellular antigens, *6* (Abst.)
in presence of large doses of phenylalanine, *38* (Abst.)
Immunization of normal mouse spleen cell suspensions in vitro, *13* (Abst.)
Immunochemical and clinical studies on chlorogenic acid and its protein conjugates, 113 (Abst.)
Immunogenic and sensitizing activities of *Bordetella pertussis* in mice, properties: enhancement of peptone shock (Pieroni and Levine), 25
enhancement of susceptibility to bacterial endotoxins (Pieroni and Levine), 93
Immunoglobulin(s) abnormalities associated with chronic urticaria, 101 (Abst.)
in atopic and nonatopic individuals, quantitative comparison: higher γD levels in atopic sera (Kohler and Farr), 311
significant difference in γD levels, 99 (Abst.)
changes resulting from attack of infectious mononucleosis, sequence, 115 (Abst.)
class M (IgM), polyclonal, increase in infectious mononucleosis, *6* (Abst.)
demonstration on peripheral leukocytes, 122 (Abst.)
fractions, skin-fixing properties of, heterogeneity with reaginic activity, 120 (Abst.)
"qualitative," deficiency disease, 115 (Abst.)
salivary, determined by electroimmunodiffusion, 116 (Abst.)
skin-sensitizing antibody, and specific binding of ragweed fraction, studies on placental transfer of (Connell et al.), 57
Immunologic(al) responsiveness in phenylketonuria, *39* (Abst.)
studies of desensitization in penicillin allergy, 107 (Abst.)
pigeon breeder's disease (Fink et al.), 105 (Abst.), 214
in tuberculosis: utilizing agar gel double-diffusion precipitin system, *46* (Abst.)
tolerance, induction by antigen feeding. Effect of thymectomy on orally induced tolerance (Filipp and Boros), 167
Immunosorbents, specific, isolation of ragweed allergens with, 120 (Abst.)
Immunosuppressive agents, effects on eosinophil cell responses (Cohen et al.), 129
Infectious mononucleosis, sequence of immunoglobulin changes resulting from attack of, 115 (Abst.)
Influenza vaccines, aqueous and depot, comparative responses of elderly persons to, *39* (Abst.)
Inhalation of moth particles, occupational asthma following (Stevenson and Mathews), 274
sensitization to trypsin (Zweiman et al.), 11
tests, allergen, on patients with bronchial asthma estimated by measuring maximum expiratory flow, *26* (Abst.)
Injection therapy, reduced sensitivity of leukocytes after (Pruzansky and Patterson), 44
Insect(s) allergy, Hymenoptera sensitivity, conjunctival testing in (Kahn and Schwartz), 171
sting fatalities, allergic and pathological findings, 105 (Abst.)
stinging, use of alum-precipitated extracts in hyposensitization treatment of patients allergic to, *44* (Abst.)
whole, extract, sensitization by subcutaneous injections, 104 (Abst.)
Insulin antibodies: partial characterization by gel filtration, *47* (Abst.)
species source of, effect of alteration on insulin-antibody levels, *11* (Abst.)
Intranasal pollen challenges, quantitative: apparatus design and technique (Connell), 358
Intrinsic factor and vitamin B_{12}, complex of, occurrence in gastric juice of antibody to, *24* (Abst.)
Iron-dextran, intramuscular, fatal anaphylaxis after, 7 (Abst.)
Isoimmunization after multiple transfusions, *4* (Abst.)
Isoproterenol, excessive, chlorpromazine and, in status asthmaticus, adverse effects, 109 (Abst.)

K

Keller, Arthur P., obituary, 202
Kidney disease, effect of antilymphocyte globulin on, *22* (Abst.)

L

B-lactoglobulin in human allergy to cows' milk, synthetic approaches to biological activity of, *28* (Abst.)

Lactose intolerance syndrome mimicking milk allergy and/or functional bowel disorders, *21* (Abst.)
Lepromatous leprosy, impaired delayed hypersensitivity in patients with, *39* (Abst.)
Leprosy, lepromatous, impaired delayed hypersensitivity in patients with, *39* (Abst.)
Leukemia, line I_b, age-related phenomena in C_{58} mice after immunization with, 117 (Abst.)
Leukocyte(s) granules, human, effect of adrenocorticosteroids and endotoxin on, 126 (Abst.)
histamine release from, and antigen-neutralizing capacity of serum, in vitro measurement, 123 (Abst.)
of hypersensitive individuals, histamine release from (Pruzansky and Patterson), 44
and hypersensitivity reactions: eosinophil response in "skin window" to ragweed extract, 118 (Abst.)
peripheral, demonstration of immunoglobulins on, 122 (Abst.)
serum and, reactivity, changes associated with antigen E, 124 (Abst.)
specific-binding capacity of atopic individuals, 112 (Abst.)
Leukocyte-sensitizing activity in sera of ragweed hay fever patients: seasonal changes demonstrated, 124 (Abst.)
Lung disease, chronic, precipitins against extracts of thatched roofs in sera of New Guinea natives with, *24* (Abst.)
Lupus erythematosus, systemic, characteristics of soluble nuclear antigen precipitating with sera of patients with, *30* (Abst.)
drug-induced, *24* (Abst.)
Lymphocyte(s), antibodies to: prolonged survival of canine renal allografts, *37* (Abst.)
from blood of ragweed-sensitive patients, transfer of immediate hypersensitivity by (Rynes et al.), 139
stimulation test in penicillin hypersensitivity (Evans), 340
transformation, antigen-induced, following smallpox vaccination, *29* (Abst.)
in multiple sclerosis induced by cerebrospinal fluid, *37* (Abst.)
and transfer of delayed hypersensitivity in man, correlation, 125 (Abst.)
in vitro, in atopic patients, induced by antigens (Girard et al.), 65
Lymphocyte(s)—Cont'd
in vitro mitotic response: effect of scorbutic state on tuberculin hypersensitivity in guinea pig, *31* (Abst.)
Lymphography, anaphylaxis from alphazurine 2G during, *20* (Abst.)
Lymphoid cells producing antibody against simple haptens: detection and enumeration, *15* (Abst.)
Lymphopenia induced by antithymus serum, mechanisms, 113 (Abst.)
Lymphosarcoma, hypogammaglobulinemia with late development of, *40* (Abst.)
Lyophilizing, freezing, thawing, and, effects on skin-sensitizing activity of reaginic sera (Perlman and Layton), 205
Lysosomes in disease, role: effect of adrenocorticosteroids and endotoxin on human leukocyte granules, 126 (Abst.)

M

Macroglobulin antibody responses, secondary, to plasma proteins in rabbits, *14* (Abst.)
of human serum, studies on: polyclonal immunoglobulin class M (IgM) increase in infectious mononucleosis, *6* (Abst.)
Magnesium deficiency, protective effect on experimental allergic encephalomyelitis in rat, *46* (Abst.)
Malignancy and allergy, double-blind study of comparative incidence (McKee et al.), 294
Mammalian equivalent of avian bursa of Fabricius, *12* (Abst.)
Mast cells, significance in nasal smears from patients with allergic disorders, *8* (Abst.)
Measles vaccine, live, thrombocytopenic purpura following, *48* (Abst.)
Mediastinal widening in iatrogenic Cushing's syndrome, 106 (Abst.)
Metabolic response to epinephrine in asthma, 103 (Abst.)
of normal and asthmatic subjects to epinephrine, 102 (Abst.)
Methacholine, catecholamine excretion and bronchial response to, after *Salmonella enteriditis* endotoxin in normal and asthmatic subjects (Ouellette et al.), 102 (Abst.), 234
Microcephaly, cytomegalovirus complement-fixing antibody in, *30* (Abst.)
Microcirculation during experimental anaphylaxis, observations on dynamics, *48* (Abst.)

Milk allergy and/or functional bowel disorders, lactose intolerance syndrome mimicking, *21* (Abst.)
Mite, house-dust, (*Dermatophagoides pteronyssinus*) and allergens it produces: identity with house-dust allergen (Voorhorst et al.), 325
Mitotic response of lymphocytes, in vitro: effect of scorbutic state on tuberculin hypersensitivity in guinea pig, *31* (Abst.)
Mold allergy in respiratory tract, *10* (Abst.)
Mononucleosis, infectious, polyclonal immunoglobulin class M (IgM) increase in, *6* (Abst.)
sequence of immunoglobulin changes resulting from attack of, 115 (Abst.)
Mortality, congenital defects, and disease, atopic dermatitis and, *43* (Abst.)
Moth particles, occupational asthma following inhalation (Stevenson and Mathews), 274
Multiple sclerosis, lymphocyte transformation in, induced by cerebrospinal fluid, *37* (Abst.)
Mycobacterium bovis culture filtrate, delayed skin reactivity to carbohydrate and protein fractions of, in absence and presence of serum antibody, *13* (Abst.)
Myocardium, canine, biologic effects of antiserum against, 117 (Abst.)

N

Nasal allergy, loss of sense of smell, *7* (Abst.)
obstruction, reflex, ocular mechanisms producing, 108 (Abst.)
ragweed pollen challenges, altered reactivity to, following daily challenges or seasonal exposure, 108 (Abst.)
resistance, simple method for measuring, *7* (Abst.)
smears, significance of mast cells in, from patients with allergic disorders, *8* (Abst.)
Nebulized N-acetylcysteine, effect on sputum consistency (Hirsch and Kory), 265
Nephritis, hypergammaglobulinemia, antibody deficiency, and autoimmune hemolytic anemia in infant with familial lymphopenic immune defect, *21* (Abst.)
New Orleans asthma: characterization of individuals involved in epidemics (Salvaggio and Klein), 227
Nonatopic and atopic individuals, quantitative comparison of immunoglobulins in: higher γD levels in atopic sera (Kohler and Farr), 311
Nonreaginic and reaginic individuals, quantitative comparison of immunoglobulins in: higher γD levels in atopic sera (Kohler and Farr), 311
Nuclear antigen, soluble, precipitating with sera of patients with systemic lupus erythematosus, characteristics, *30* (Abst.)

O

Obituaries, 202, 323
Ocular mechanisms producing reflex nasal obstruction, 108 (Abst.)
Orally induced tolerance, effect of thymectomy on (Filipp and Boros), 167
Orthostatic albuminuria, significance of food allergy in, etiology of, *11* (Abst.)
Ouer, Roy A., obituary, 323

P

Passive transfer in Hymenoptera allergy, 104 (Abst.)
Patch test problems, incidence and, of formaldehyde allergy, *20* (Abst.)
reactions to soap, effect of sweating on, *35* (Abst.)
Penicillin allergy, immunological studies of desensitization, 107 (Abst.)
system, studies in: relationship between direct immediate skin tests and passive transfer tests in man (Redmond and Levine), 51
antibodies to, hemolytic anemia due to, *4* (Abst.)
and cephalosporins, cross-allergenicity of, *36* (Abst.)
hypersensitivity, lymphocyte stimulation test in (Evans), 340
reactions, immediate, associated with penicilloyl-specific skin-sensitizing antibodies and low titers of blocking (IgG) antibodies, 106 (Abst.)
Penicilloyl-specific skin-sensitizing and low titers of blocking (IgG) antibodies, immediate penicillin reactions associated with, 106 (Abst.)
Peptone shock, enhancement: properties of immunogenic and sensitizing activities of *Bordetella pertussis* in mice (Pieroni and Levine), 25
Percutaneous absorption of hydrocortisone in children, *13* (Abst.)
Peritoneal cells, nonimmune mouse, antibody formation after incubation in gum containing antigen, *23* (Abst.)

Permeability, vascular, factor in pollen which enhances (Kind et al.), 17
Pertussis vaccine, exacerbation and transformation of allergic encephalomyelitis by, *47* (Abst.)
Pharmacologic inhibition of histamine synthesis: new approach to treatment of allergic disease? 111 (Abst.)
Pharmacological mediators of anaphylaxis, sensitization to, by blockade of beta-adrenergic receptors (Townley et al.), 177
Phenylalanine, immune responses in presence of large doses of, *38* (Abst.)
Phenylketonuria, immunologic responsiveness in, *39* (Abst.)
Philadelphia, epidemiology of asthma in children in (Girsh et al.), 347
Phillips, Earle W., obituary, 202
Phosphates, tri-aryl, contact dermatitis from plastics containing, *43* (Abst.)
Physical therapy, effects in chronically asthmatic children, 109 (Abst.)
Pigeon breeder's disease, immunologic studies (Fink et al.), 105 (Abst.), 214
P-K sensitization, characterization of factors in normal human serum which, with reagins, block, 98 (Abst.)
Placental transfer of skin-sensitizing antibody, specific binding of ragweed fraction, and immunoglobulins, studies on (Connell et al.), 57
Plastics containing tri-aryl phosphates, contact dermatitis from, *43* (Abst.)
Pollen challenges, intranasal, quantitative: apparatus design and technique (Connell), 358
  experimentally controlled daily exposure to, as means of studying seasonal rhinitis, 110 (Abst.)
  extracts, ragweed, prepared by sonication and other methods, characterization (McKaba and Sussdorf), 284
  factor in, which enhances vascular permeability (Kind et al.), 17
  timothy, extract, induction of reaginic antibody with low molecular weight fraction of, 121 (Abst.)
Pollinosis, grass, treatment with various preparations, *18* (Abst.)
Polyarthritis and cutaneous granulomata, agammaglobulinemia with, 114 (Abst.)
Precipitating, hemolytic, and hemagglutinating activity of IgM and IgG antihapten antibody, *23* (Abst.)
Precipitin system, agar gel double-diffusion, utilization in immunologic studies in tuberculosis, *46* (Abst.)
Precipitins against extracts of thatched roofs in sera of New Guinea natives with chronic lung disease, *24* (Abst.)
Pregnancy and newborn infant, studies of immediate wheal reactions and reaginic antibodies in, *14* (Abst.)
Protein-losing enteropathy with gastrointestinal allergy, 107 (Abst.)
Pseudocholinesterase, serum, in eczema, *27* (Abst.)
Pulmonary arterial blood flow during acute asthmatic attacks, regional decreases, 101 (Abst.)
  in emphysema, regional distribution, *21* (Abst.)
  circulation in patients with bronchial asthma, effects of acetylcholine infusion on, *2* (Abst.)
Purpura, post-transfusion, *4* (Abst.)
  thrombocytopenic, following live measles vaccine, *48* (Abst.)

R

Ragweed aerosol, effect of partial beta-adrenergic blockade on bronchial response of hay fever subjects to (Ouellette and Reed), 160
  allergens, isolation with specific immunosorbents, 120 (Abst.)
  antigen, evaluation of response of allergic patients to injections of, 123 (Abst.)
  arabinogalactan, biologic properties, 120 (Abst.)
  fraction, specific binding, immunoglobulins, and skin-sensitizing antibody, studies on placental transfer of (Connell et al.), 57
  hay fever, controlled evaluations of repository therapy in (Norman et al.), 82
    patients, leukocyte-sensitizing activity in sera of: seasonal changes demonstrated, 124 (Abst.)
  pollen challenges, nasal, altered reactivity to, following daily challenges or seasonal exposure, 108 (Abst.)
    extracts prepared by sonication and other methods, characterization (McKaba and Sussdorf), 284
  treatment of allergic conditions with alum-precipitated (Allpyral) extracts of allergens other than, *18* (Abst.)
Ragweed-sensitive patients, transfer of immediate hypersensitivity by lymphocytes from blood of (Rynes et al.), 139
    treatment with antigen E and ragweed extract, 124 (Abst.)
Reaginic activity correlated with γE globulin antibody, 99 (Abst.)
    decay rate in isolated fractions compared to whole serum, 121 (Abst.)

Reaginic activity—Cont'd
heterogeneity of skin-fixing properties of immunoglobulin fractions with, 120 (Abst.)
antibody(ies), human, in vitro, quantitative measurements, 99 (Abst.)
immediate wheal reactions and, in pregnancy and in newborn infant, studies of, *14* (Abst.)
induction with low molecular weight fraction of timothy pollen extract, 121 (Abst.)
stability and behavior: effects of freezing, thawing, and lyophilizing on skin-sensitizing activity of reaginic sera (Perlman and Layton), 205
and nonreaginic individuals, quantitative comparison of immunoglobulins in: higher γD levels in atopic sera (Kohler and Farr), 311
Reagins, characterization of factors in normal human serum which block P-K sensitization with, 98 (Abst.)
Renal allografts, canine, prolonged survival of: antibodies to lymphocytes, *37* (Abst.)
Repository therapy in ragweed hay fever, controlled evaluations (Norman et al.), 82
Respiratory tract, mold allergy in, *10* (Abst.)
Reticulum cell sarcoma, nodular, Sjögren's syndrome and, *40* (Abst.)
Rhinitis, seasonal, experimentally controlled daily exposure to pollen as means of studying, 110 (Abst.)
Rhinorrhea, recurrent, familial, and bronchitis due to cow's milk, *26* (Abst.)

S

Salivary immunoglobulins determined by electroimmunodiffusion, 116 (Abst.)
Salmonella enteriditis endotoxin, catecholamine excretion and bronchial response to methacholine in normal and asthmatic subjects after (Ouellette et al.), 102 (Abst.), 234
Sarcoma, reticulum cell, nodular, Sjögren's syndrome and, *40* (Abst.)
Scorbutic state, effect on tuberculin hypersensitivity in guinea pig: passive transfer of tuberculin hypersensitivity, *6* (Abst.)
in vitro mitotic response of lymphocytes, *31* (Abst.)
Seasonal changes in leukocyte-sensitizing activity in sera of ragweed hay fever patients demonstrated by in vitro measurements, 124 (Abst.)
Seizures, shock, and coma with alkalosis during mechanical ventilation, *36* (Abst.)
Sensitivity, chrome, associated with tropical footwear in Royal Navy, *20* (Abst.)
house dust: use of provocative skin tests in selecting extracts for desensitization (Hosen), 222
Hymenoptera, conjunctival testing (Kahn and Schwartz), 171
experimental, in dog, by subcutaneous injections of whole insect extract, 104 (Abst.)
reduced, of leukocytes after injection therapy (Pruzansky and Patterson), 44
Sensitization to anaphylaxis and to some of its pharmacological mediators by blockade of beta-adrenergic receptors (Townley et al.), 177
inhalation, to trypsin (Zweiman et al.), 11
P-K, characterization of factors in normal human serum which, with reagins, block, 98 (Abst.)
Sensitizing activities, immunogenic and, of *Bordetella pertussis* in mice: enhancement of peptone shock (Pieroni and Levine), 25
enhancement of susceptibility to bacterial endotoxins (Pieroni and Levine), 93
Sera, atopic, higher γD levels in: quantitative comparison of immunoglobulins in atopic and nonatopic individuals (Kohler and Farr), 311
Serum, human, normal, characterization of factors in, which block P-K sensitization with reagins, 98 (Abst.)
studies on macroglobulins: polyclonal immunoglobulin class M (IgM) increase in infectious mononucleosis, *6* (Abst.)
and leukocyte reactivity, changes associated with antigen E, 124 (Abst.)
protein studies in intractable asthma, *10* (Abst.)
pseudocholinesterase in eczema, *27* (Abst.)
whole, decay rate of reaginic activity in isolated fractions compared to, 121 (Abst.)
Shock, anaphylactic, in man, *39* (Abst.)
peptone, enhancement: properties of immunogenic and sensitizing activities of *Bordetella pertussis* in mice (Pieroni and Levine), 25
seizures, and coma with alkalosis during mechanical ventilation, *36* (Abst.)
Sjögren's syndrome and nodular reticulum cell sarcoma, *40* (Abst.)
Skin reactivity, delayed, to carbohydrate and protein fractions of *Mycobacterium bovis* culture filtrate in absence and presence of serum antibody, *13* (Abst.)

Skin—Cont'd
testing, use of DMSO in, *44* (Abst.)
tests, immediate, direct, and passive transfer tests in man, relationship between (Redmond and Levine), 51
provocative, use in selecting extracts for desensitization to house-dust sensitivity (Hosen), 222
"window" eosinophil response in, to ragweed extract, 118 (Abst.)
Skin-fixing properties of immunoglobulin fractions, heterogeneity with reaginic activity, 120 (Abst.)
Skin-sensitizing activity of reaginic sera, effects of freezing, thawing, and lyophilizing on (Perlman and Layton), 205
antibody, duration of tissue fixation of, 98 (Abst.)
specific binding of ragweed fraction, and immunoglobulins, studies on placental transfer of (Connell et al.), 57
Sleep patterns of asthmatic patients, 103 (Abst.)
Smallpox vaccination, antigen-induced lymphocyte transformation following, *29* (Abst.)
Sonication and other methods, characterization of ragweed pollen extracts prepared by (McKaba and Sussdorf), 284
Spirometric evaluation of ventilatory function, *45* (Abst.)
Spleen cell suspension, of normal mouse, immunization in vitro, *13* (Abst.)
Spot test, ferric chloride, for evaluation and standardization of emulsions of allergens (Prigal), 1
Sputum consistency, effect of nebulized N-acetylcysteine on (Hirsch and Kory), 265
Status asthmaticus, adverse effects of chlorpromazine and excessive isoproterenol in, 109 (Abst.)
prolonged treatment with "assisted" ventilation, 111 (Abst.)
Steroid therapy, alternate-day, effect of drug and dose on adrenal responsiveness in, 111 (Abst.)
Sting, insect, fatalities, allergic and pathological findings, 105 (Abst.)
Stinging insects, use of alum-precipitated extracts in hyposensitization treatment of patients allergic to, *44* (Abst.)
Sulfhydryl reduction, structural similarity of naturally occurring "light" γM to artificial γM monomer resulting from, 116 (Abst.)

T

Temperature, effect on anaphylactoid reaction, *15* (Abst.)
Test, lymphocyte stimulation, in penicillin hypersensitivity (Evans), 340
skin, immediate, direct, and passive transfer tests in man, relationship between (Redmond and Levine), 51
spot, ferric chloride, for evaluation and standardization of emulsions of allergens (Prigal), 1
Tetanus, controlled trial of antiserum in treatment of, *32* (Abst.)
Thrombocytopenic purpura following live measles vaccine, *48* (Abst.)
Thymectomy, effect on orally induced tolerance (Filipp and Boros), 167
Timothy pollen extract, induction of reaginic antibody with low molecular weight fraction of, 121 (Abst.)
Tolerance, immunological, induction by antigen feeding. Effect of thymectomy on orally induced tolerance (Filipp and Boros), 167
Transfer, passive, tests, and direct immediate skin tests in man, relationship between (Redmond and Levine), 51
Transfusion, post-, purpura, *4* (Abst.)
Transfusions, multiple, isoimmunization after, *4* (Abst.)
Transplacental passage of antinuclear antibody, *5* (Abst.)
Tri-aryl phosphates, contact dermatitis from plastics containing, *43* (Abst.)
Tropical footwear, chrome sensitivity in Royal Navy associated with, *20* (Abst.)
Trypsin, inhalation sensitization to (Zweiman et al.), 11
Tuberculin hypersensitivity, effect of scorbutic state on, in guinea pig, *6* (Abst.)
in guinea pig, effect of scorbutic state on: in vitro mitotic response of lymphocytes, *31* (Abst.)
screening, low-cost, for large populations, *16* (Abst.)
Tuberculosis, immunologic studies in: utilizing agar gel double-diffusion precipitin system, *46* (Abst.)
Tumor resistance, enhancement, and tolerance, role of tumor-specific antibodies in, 114 (Abst.)

U

Urticaria, basophil counts in patients with, treated with oral antihistamines, *34* (Abst.)
chronic, delayed dermatographia associated with, 100 (Abst.)
immunoglobulin abnormalities associated with, 101 (Abst.)
cold, "secondary," localized, *27* (Abst.)

V

Vaccination, smallpox, antigen-induced lymphocyte transformation following, *29* (Abst.)
Vaccine(s), influenza, aqueous and depot, comparative responses of elderly persons to, *39* (Abst.)
measles, live, thrombocytopenic purpura following, *48* (Abst.)
pertussis, exacerbation and transformation of allergic encephalomyelitis by, *47* (Abst.)
Varicella in patients with bronchial asthma or other allergic diseases receiving corticosteroid therapy, risk of mortality, *22* (Abst.)
Vascular permeability, factor in pollen which enhances (Kind et al.), 17
Ventilation, "assisted," prolonged treatment of status asthmaticus with, 111 (Abst.)
Ventilatory function, spirometric evaluation, *45* (Abst.)
Vitamin B_{12}, intrinsic factor and, complex of, occurrence in gastric juice of antibody to, *24* (Abst.)

W

Wegener's granulomatosis, *16* (Abst.)
Wheal reactions, immediate, and reaginic antibodies in pregnancy and in newborn infant, studies of, *14* (Abst.)
Wheal-and-flare reactions, immune complexes initiating, 112 (Abst.)

The Journal of

Allergy

INCLUDING ALLERGY ABSTRACTS

Editorial Board

DAVID W. TALMAGE, *Editor*
Denver

KENNETH P. MATHEWS, *Associate Editor*
Ann Arbor

CARL E. ARBESMAN, *Buffalo*, 1968
LEIGHTON E. CLUFF, *Baltimore*, 1968
JOHN H. VAUGHAN, *Rochester*, 1968
OSCAR L. FRICK, *San Francisco*, 1970
K. FRANK AUSTEN, *Boston*, 1971
BERNARD B. LEVINE, *New York*, 1971
PAUL M. SEEBOHM, *Iowa City*, 1971
BERNARD B. SIEGEL, *Brooklyn*, 1971
PAUL P. VAN ARSDEL, JR., *Seattle*, 1971
RICHARD S. FARR, *La Jolla*, 1972
ERNEST M. HEIMLICH, *Los Angeles*, 1972
ELLIOTT MIDDLETON, JR., *New York*, 1972
PHILIP S. NORMAN, *Baltimore*, 1972
ROY PATTERSON, *Chicago*, 1972

Published monthly

OFFICIAL ORGAN OF AMERICAN ACADEMY OF ALLERGY

Volume 40 July—December, 1967

The C. V. Mosby Company, St. Louis, 1967

VOLUME 40
COPYRIGHT © 1967 by
THE C. V. MOSBY COMPANY
(ALL RIGHTS RESERVED)

Printed in the United States of America

Index to volume 40

Author index*

A

ABE, K. (*See* FUJIMOTO, Y., et al.), *47* (Abst.)
ACKERMAN, A. B. (*See* BART and ACKERMAN), *26* (Abst.)
ACKERMAN, G. A., MCCARTY, M., and ST. PIERRE, R. L., *45* (Abst.)
AGBAYANI, B. F., NORMAN, P. S., and WINKENWERDER, W. L., 319
—. (*See* NORMAN, P. S., et al.), 57
AL-DOORY, Y., 145
ALISBERG, N. (*See* LEVINE, B. B., et al.), *21* (Abst.)
AMACHE, N. (*See* HALPERN, B., et al.), 168
AMMANN, A. J. (*See* STIEHM, E. R., et al.), *30* (Abst.)
ARAKI, H. (*See* MASUDA, T., et al.), 193
ARAT, F., *37* (Abst.)
ARBESMAN, C. E. (*See* KOBAYASHI, S., et al.), 26
—. (*See* KUNZ, M. L., et al.), 135
ARKINS, J. A., BUKOSKY, R. J., and FINK, J. N., with the assistance of MOROUSE, M. L., 50
ARNOLDSSON, H., BELIN, L., HALLBERG, L., HELANDER, E., LINDHOLM, B., and WESTLING, H., *11* (Abst.)
ASTIN, T., and PENMAN, R., *29* (Abst.)
AURBACH, G. D. (*See* MELICK, R. A., et al.), *20* (Abst.)
AUSTEN, K. F. (*See* ORANGE, R. P.. et al.), *30* (Abst.)
—. (*See* SHANNON, D. C., et al.), *30* (Abst.)

B

BACHELOR, F., FEINBERG, J., DEWDNEY, J., and WESTON, R., *43* (Abst.)
BAER, H. (*See* CHAPARAS and BAER), *14* (Abst.)
BAILEY, G., STRUB, L., KLEIN, R. C., and SALVAGGIO, J., *39* (Abst.)
BARLOW, M. (*See* MCFARLIN, D. E., et al.), *20* (Abst.)
BARNARD, J. H., 107
BART, R. S., and ACKERMAN, A. B., *26* (Abst.)
BARTTER, F. C. (*See* MELICK, R. A., et al.), *20* (Abst.)
BECKWITT, H. J. (*See* BIGELOW, D. B., et al.), *36* (Abst.)
BEERMAN, H. (*See* GREEN, G. R., et al.), 224
BEERS, R. F., JR. (*See* SAMTER and BEERS), 281
BELIN, L. (*See* ARNOLDSSON, H., et al.), *11* (Abst.)
BELLANTI, J. A. (*See* SMITH, C. B., et al.), *36* (Abst.)
BENACERRAF, B. (*See* COHEN, S., et al.), *37* (Abst.)
BERSON, S. A. (*See* MELICK, R. A., et al.), *20* (Abst.)
BIGELOW, D. B., HAMSTRA, R. D., BECKWITT, H. J., MITCHELL, R. S., NETT, L. M., STEPHEN, T. A., and PETTY, T. L., *36* (Abst.)
BINDER, V., and HIRDBERG, E., *4* (Abst.)
BITAR, J., and LIGHTWOOD, R., *40* (Abst.)
BLENNERHASSETT, J. B. (*See* NASH, G., et al.), *44* (Abst.)
BOAK, J., FOX, M., and WILSON, R., *39* (Abst.)
BOESMAN, M. (*See* FIREMAN, P., et al.), 259, 304
BRADFORD, L. L. (*See* TUFFANELLI, D. L., et al.), *47* (Abst.)
BRAVER, D. A., RICHARD, R. D., and GOOD, T. A., *8* (Abst.)
BRETT, E. M., ONG, B. H., and FRIEDMANN, T., *27* (Abst.)
BROOKS, J. R. (*See* FUJIMOTO, Y., et al.), *47* (Abst.)
BUCKLEY, R. H., and DEES, S. C., 294
BUKOSKY, R. J. (*See* ARKINS, J. A., et al.), 50
BURDON, K. L. *23* (Abst.)
BUSCI, R. (*See* STRAUSSER, H., et al.), *5* (Abst.)
BUSSER, R. J. (*See* SLY, R. M., et al.), *31* (Abst.)
—. (*See* SLY, R. M., et al.), 93
BUYNAK, E. B. (*See* HILLEMAN, M. R., et al.), *46* (Abst.)

C

CAMERON, P., 12
CAMPBELL, P. A., and LAVIEW, M. F., *46* (Abst.)
CARMEL, R., and HERBERT, V., *39* (Abst.)
CHAFEE, F. H., and SETTIPANE, G. A., 65
CHANOCK, R. M. (*See* SMITH, C. B., et al.), *36* (Abst.)
CHAPARA, S. D., and BAER, H., *14* (Abst.)
—, FULLER, V. J., and KALB, H. W., *13* (Abst.)
CHERRY, J. D. (*See* STIEHM, E. R., et al.), *30* (Abst.)

*July, pp. 1-64; August, pp. 65-130; September, pp. 131-192; October, pp. 193-258; November, pp. 259-318; December, pp. 319-374.

Abstracts: July, pp. *1-8*; August, pp. *9-16*; September, pp. *17-24*; October, pp. *25-32*; November, pp. *33-40*; December, pp. *41-48*.

CHIN, T. D. Y. (*See* RAY, G. C., et al.), *35* (Abst.)
CINOTTI, A. A., and SILIQUINI, J. J., *7* (Abst.)
CLAMAN, H. N., MERRILL, D. A., and HARTLEY, T. F., 151
CLEMIS, J. D., *31* (Abst.)
COHEN, S. G., 186
—, MCCLUSKY, R. T., and BENACERRAF, B., *37* (Abst.)
COLLINS-WILLIAMS, C., TKACHYK, S. J., TOFT, B., GENEROSO, L., and MOSCARELLO, M., *18* (Abst.)
CONNELL, J. T., 269
—. (*See* LICHTENSTEIN, L. M., et al.), 160
CROYDON, E. (*See* KNUDSON, E., et al.), *44* (Abst.)
CURRAN, W. S. (*See* FINLEY, T. N., et al.), *28* (Abst.)
CUSHING, R. T., and JOHNSON, A. G., *22* (Abst.)

D

DAWSON, R., and SEGAL, B., *4* (Abst.)
DEES, S. C. (*See* BUCKLEY and DEES), 294
DE VRIES, A. (*See* FRANK and DE VRIES), 182
DEWDNEY, J. (*See* BACHELOR, F., et al.), *43* (Abst.)
DONNELLY, W. J. (*See* FINK, S., et al.), *12* (Abst.)
Drug Committee of the Research Council of the American Academy of Allergy, 88
DUBISKI, S., and FRADETTE, K., *14* (Abst.)
DULFANO, M. J., and ISHIKAWA, S., with the assistance of HANSEN, S., 275

E

ENELL, H. (*See* WALLERSTROM and ENELL), *16* (Abst.)
EVANS, L. (*See* HEINER and EVANS), *24* (Abst.)

F

FAMILIAR, R. G. (*See* WARDELL, J. R., JR., et al.), 100
FEIGEN, G. A., and NIELSEN, C. B., *38* (Abst.)
FEINBERG, A. R., FEINBERG, S. M., and LEE, F., 73
FEINBERG, J. (*See* BACHELOR, F., et al.), *43* (Abst.)
FEINBERG, S. M. (*See* FEINBERG, A. R., et al.), 73
FELARCA, A. B., and LOWELL, F. C., 16
FELLNER, M. J. (*See* LEVINE, B. B., et al.), *20* (Abst.), *21* (Abst.)
FENICHEL, G. (*See* HOLGUIN and FENICHEL), *8* (Abst.)
FERNANDEZ, A. A. (*See* MCGOVERN, J. P., et al.), *24* (Abst.)
FINE, J. (*See* MANSMANN, H. C., et al.), *2* (Abst.)
FINK, J. N. (*See* ARKINS, J. A., et al.), 50
FINK, S., DONNELLY, W. J., and JABLOKOW, V. R., *12* (Abst.)
FINLEY, T. N., SWENSON, E. W., CURRAN, W. S., HUBER, G. L., and LADINAN, A. J., *28* (Abst.)
FIREMAN, P., BOESMAN, M., and GITLIN, D., 259, 304
FOGEL, B. J., WEINBERG, T., and MARKOWITZ, M., *48* (Abst.)
FOX, M. (*See* BOAK, J., et al.), *39* (Abst.)
FRADETTE, K. (*See* DUBISKI and FRADETTE), *14* (Abst.)
FRANK, M., and DE VRIES, A., 182
FRANKLIN, E. C. (*See* LEVINE, B. B., et al.), *21* (Abst.)
FRED, H. L. (*See* SMITH and FRED), *42* (Abst.)
FRICK, O. L. (*See* MASSIE and FRICK), 215
FRIEDMAN, H. (*See* SPIEGELMAN, J., et al.), *26* (Abst.)
FRIEDMANN, T. (*See* BRETT, E. M., et al.), *27* (Abst.)
FUJIMOTO, Y., SUZUKI, H., ABE, K., and BROOKS, J. R., *47* (Abst.)
FULLER, V. J. (*See* CHAPARA, S. D., et al.), *13* (Abst.)

G

GENEROSO, L. (*See* COLLINS-WILLIAMS, C., et al.), *18* (Abst.)
GILL, J. R., JR. (*See* MELICK, R. A., et al.), *20* (Abst.)
GIRARD, J. P. (*See* KOBAYASHI, S., et al.), 26
GITLIN, D. (*See* FIREMAN, P., et al.), 259, 304
GLENNON, J. A. (*See* LOCKEY, S. D., JR., et al.), 349
GOLDFARB, A. R., and KAPLAN, M., 237
GOOD, T. A. (*See* BRAVER, D. A., et al.), *8* (Abst.)
GOODMAN, D. H., SMITH, R. S., and NORTHEY, W. T., 131
GORDON, R. S., JR. (*See* WALDMANN, T. A., et al.), *35* (Abst.)
GRAVELLE, C. R. (*See* RAY, G. C., et al.), *35* (Abst.)
GREEN, G. R., ZWEIMAN, B., BEERMAN, H., and HILDRETH, E. A., 224
GROLNICK, M. (*See* WEISS and GROLNICK), *48* (Abst.)

H

HAFF, R. F. (*See* WARDELL, J. R., JR., et al.), 100
HALL, R. (*See* RAFFLE and HALL), *34* (Abst.)
HALLBERG, L. (*See* ARNOLDSSON, H., et al.), *11* (Abst.)
HALPERN, B., KY, N. T., and AMACHE, N., 168
HAMSTRA, R. D. (*See* BIGELOW, D. B., et al.), *36* (Abst.)
HANSEN, S. (*See* DULFANO and ISHIKAWA), 275
HARADA, S. (*See* MASUDA, T., et al.), 193
HARTER, J. G., and NOVITCH, A. M., 327
HARTLEY, T. F. (*See* CLAMAN, H. N., et al.), 151
HAYWOOD, T. J. (*See* MCGOVERN, J. P., et al.), *24* (Abst.)
HEIMLICH, E. M. (*See* SLY, R. M., et al.), *31* (Abst.)
—. (*See* SLY, R., et al.), 93
HEINER, D. C., and EVANS, L., *24* (Abst.)

HELANDER, E. (*See* ARNOLDSSON, H., et al.), *11* (Abst.)
HENDERSON, D. A. (*See* NEFF, J. M., et al.), *3* (Abst.)
HERBERT, V. (*See* CARMEL and HERBERT), *39* (Abst.)
HILDRETH, E. A. (*See* GREEN, G. R., et al.), 224
HILLEMAN, M. R., WEIBEL, R. E., BUYNAK, E. B., STOKES, J., JR., and WHITMAN, J. E., JR., *46* (Abst.)
—. (*See* WEIBEL, R. E., et al.), *38* (Abst.)
HIRDBERG, E. (*See* BINDER and HIRDBERG), *4* (Abst.)
HOLGUIN, J., and FENICHEL, G., *8* (Abst.)
HOUK, V. (*See* KENT, D. C., et al.), *32* (Abst.)
HUBER, G. L. (*See* FINLEY, T. N., et al.), *28* (Abst.)
HUNTER, C. C., JR., *13* (Abst.)
HUNTLEY, C. C., THORPE, D. P., LYERLY, A. D., and KELSEY, W. M., *47* (Abst.)

I

INOUE, S., 337
ISHIKAWA, S. (*See* DULFANO and ISHIKAWA), 275
ITKIN, I. H., 245
—. (*See* NEWMARK and ITKIN), *26* (Abst.)

J

JABLOKOW, V. R. (*See* FINK, S., et al.), *12* (Abst.)
JENSEN, J., 7 (Abst.)
JOHANOVSKY, J. (*See* KOLIN, A., et al.), *22* (Abst.)
JOHNSON, A. G. (*See* CUSHING and JOHNSON), *22* (Abst.)
JOHNSON, G. (*See* SHANNON, D. C., et al.), *30* (Abst.)
JONES, R. H., and JONES, R. S., *10* (Abst.)
JONES, R. S. (*See* JONES and JONES), *10* (Abst.)
JORDAN, W. S. (*See* SIMON and JORDAN), *2* (Abst.)
JOSEPHSON, A. S., *15* (Abst.)

K

KALB, H. W. (*See* CHAPARAS, S. D., et al.), *13* (Abst.)
KAPLAN, M. (*See* GOLDFARB and KAPLAN), 237
KEATES, R. H. (*See* SMOLIN and KEATES), *23* (Abst.)
KELSEY, W. M. (*See* HUNTLEY, C. C., et al.), *47* (Abst.)
KENT, D. C., REID, D., SOKOLOWSKI, J., and HOUK, V., *32* (Abst.)
KIMURA, T. (*See* MATSUMURA, T., et al.), *19* (Abst.)
KINOSHITA, M. (*See* MASUDA, T., et al.), 193
KLEIN, R. C. (*See* BAILEY, G., et al.), *39* (Abst.)
KNUDSON, E., ROBINSEN, O., CROYDON, E., and TEES, E., *44* (Abst.)
KOBAYASHI, S., GIRARD, J. P., and ARBESMAN, C. E., 26
KOLIN, A., JOHANOVSKY, J., and PEKAREK, J., *22* (Abst.)
KUNZ, M. L., REISMAN, R. E., and ARBESMAN, C. E., 135
KY, N. T. (*See* HALPERN, B., et al.), 168

L

LABERGE, D. E., and STAKMANN, M. A., *14* (Abst.)
LADINAN, A. J. (*See* FINLEY, T. N., et al.), *28* (Abst.)
LANE, J. M. (*See* NEFF, J. M., et al.), *3* (Abst.)
LASTER, L. (*See* WALDMANN, T. A., et al.), *35* (Abst.)
LAVIEW, M. F. (*See* CAMPBELL and LAVIEW), *46* (Abst.)
LAZUR, P., *43* (Abst.)
LEE, F. (*See* FEINBERG, A. R., et al.), 73
LEIGH, M. D. (*See* RICHARDS, W., et al.), *34* (Abst.)
LEOPOLD, J. G. (*See* SANERKIN, N. B., et al.), *2* (Abst.)
LEVINE, B. B., FELLNER, M. J., and LEVYTSKA, V., *20* (Abst.)
—, —, —, FRANKLIN, E. C., and ALISBERG, N., *21* (Abst.)
LEVINE, R. J., *5* (Abst.)
LEVYTSKA, V. (*See* LEVINE, B. B., et al.), *20* (Abst.) *21* (Abst.)
LICHTENSTEIN, L. M., NORMAN, P. S., and CONNELL, J. T., 160
LIGHTWOOD, R. (*See* BITAR and LIGHTWOOD), *40* (Abst.)
LINDHOLM, B. (*See* ARNOLDSSON, H., et al.), *11* (Abst.)
LIU, C. (*See* LLANES-RODAS and LIU), *6* (Abst.)
LLANES-RODAS, R., and LIU, C., *6* (Abst.)
LOCKEY, S. D., JR., GLENNON, J. A., and REED, C. E., 349
LOGAN, G. B., 207
LOWELL, F. C. (*See* FELARCA and LOWELL), 16
LUBAROFF, D. M., and WAKSMAN, B., *45* (Abst.)
LYERLY, A. D. (*See* HUNTLEY, C. C., et al.), *47* (Abst.)

M

MCCARTY, M. (*See* ACKERMAN, G. A., et al.), *45* (Abst.)
MCCLUSKY, R. T. (*See* COHEN, S., et al.), *37* (Abst.)
MCFARLIN, D. E., BARLOW, M., and STRAUSS, A. J. L., *20* (Abst.)
MCGOVERN, J. P., HAYWOOD, T. J., and FERNANDEZ, A. A., *24* (Abst.)
MAKINO, S. (*See* MASUDA, T., et al.), 193
MALLEY, A., and PERLMAN, F., *10* (Abst.)
MANSMANN, H. C., MARCH, J. H., and FINE, J., *2* (Abst.)
MARCH, J. H. (*See* MANSMANN, H. C., et al.), *2* (Abst.)
MARKOWITZ, M. (*See* FOGEL, B. J., et al.), *48* (Abst.)
MARSCHKE, G. R., and TWEKSBURY, D. A., *3* (Abst.)

MASSIE, F. S., and FRICK, O. L., 215
MASUDA, T., NAITA, A., KINOSHITA, M., HARADA, S., SASAGAWA, S., ARAKI, H., and MAKINO, S., 193
MATSUMURA, T., TATENO, K., YUGAMI, S., and KIMURA, T., *19* (Abst.)
MELICK, R. A., GILL, J. R., JR., BERSON, S. A., YALOW, R. S., BARTTER, F. C., POTTS, J. T., JR., and AURBACH, G. D., *20* (Abst.)
MERRILL, D. A. (*See* CLAMAN, H. N., et al.), 151
METZGAR, D. P. (*See* WEIBEL, R. E., et al.), *38* (Abst.)
MEYER, H. M., JR., PARKMAN, P. D., and PANOS, T. C., *29* (Abst.)
MIGEON, C. J. (*See* NORMAN, P. S., et al.), 57
MILLER, F. F., 46
MILLER, J. D. (*See* NEFF, J. M., et al.), *3* (Abst.)
MITCHELL R. S. (*See* BIGELOW, D. B., et al.), *36* (Abst.)
MOORE, R. (*See* NEFF, J. M., et al.), *3* (Abst.)
MOROUSE, M. L. (*See* ARKINS, J. A., et al.), 50
MOSCARELLO, M. (*See* COLLINS-WILLIAMS, C., et al.), *18* (Abst.)

N

NAGAYA, H., and SIEKER, H. O., *22* (Abst.)
NAITO, A. (*See* MASUDA, T., et al.), 193
NASH, G., BLENNERHASSETT, J. B., and PONTOPPIDAN, H., *44* (Abst.)
NATER, J. P., and ZWARTZ, J. A., 202
NEFF, J. M., LANE, J. M., PERT, J. H., MOORE, R., MILLER, J. D., and HENDERSON, D. A., *3* (Abst.)
NELSON, D. S., *36* (Abst.)
NETT, L. M. (*See* BIGELOW, D. B., et al.), *36* (Abst.)
NEWMARK, F. M., and ITKIN, I. H., *26* (Abst.)
NIELSEN, C. B. (*See* FEIGEN and NIELSEN), *38* (Abst.)
NOEL, S. (*See* SMITH and NOEL), *13* (Abst.)
NORMAN, P. S., WINKENWERDER, W. L., AGBAYANI, B. F., and MIGEON, C. J., 57
—. (*See* AGBAYANI, B. F., et al.), 319
—. (*See* LICHTENSTEIN, L. M., et al.), 160
NORTHEY, W. T. (*See* GOODMAN, D. H., et al.), 131
NOVITCH, A. M. (*See* HARTER and NOVITCH), 327

O

OGDEN, E. C., and RAYNOR, G. S., 1
ONG, B. H. (*See* BRETT, E. M., et al.), *27* (Abst.)
ORANGE, R. P., VALENTINE, M. D., and AUSTEN, K. F., *30* (Abst.)
ORTIZ, F., *38* (Abst.)
ÖZKARAGÖZ, K., 21

P

PANOS, T. C. (*See* MEYER, H. M., JR., et al.), *29* (Abst.)
PARKMAN, P. D. (*See* MEYER, H. M., JR., et al.), *29* (Abst.)
PARSHALL, C. J., JR. (*See* SILVERSTEIN, A. M., et al.), *15* (Abst.)
PEKAREK, J. (*See* KOLIN, A., et al.), *22* (Abst.)
PELZ, H. H., *29* (Abst.)
PENMAN, R. (*See* ASTIN and PENMAN), *29* (Abst.)
PERLMAN, F. (*See* MALLEY and PERLMAN), *10* (Abst.)
PERT, J. H. (*See* NEFF, J. M., et al.), *3* (Abst.)
PETTY, T. L. (*See* BIGELOW, D. B., et al.), *36* (Abst.)
PHILLS, J. A. (*See* ROSE and PHILLS), *6* (Abst.)
PONTOPPIDAN, H. (*See* NASH, G., et al.), *44* (Abst.)
POTTS, J. T., JR. (*See* MELICK, R. A., et al.), *20* (Abst.)
PURCELL, R. H. (*See* SMITH, C. B., et al.), *36* (Abst.)

R

RACKIS, J. J. (*See* STAGGERDA, F. R., et al.), *44* (Abst.)
RAFFLE, E., and HALL, R., *34* (Abst.)
RAY, G. C., GRAVELL, C. R., and CHIN, T. D. Y., *35* (Abst.)
RAYNOR, G. S. (*See* OGDEN and RAYNOR), 1
REED, C. E. (*See* LOCKEY, S. D., JR., et al.), 349
REID, D. (*See* KENT, D. C., et al.), *32* (Abst.)
REISMAN, R. E. (*See* KUNZ, M. L., et al.), 135
REYNOLDS, J. S., *42* (Abst.)
RICHARD, R. D. (*See* BRAVER, D. A., et al.), *8* (Abst.)
RICHARDS, E. A. (*See* STAGGERDA, F. R., et al.), *44* (Abst.)
RICHARDS, W., SIEGEL, C., STRAUSS, J., and LEIGH, M. D. *34* (Abst.)
ROBINSEN, O. (*See* KNUDSON, E., et al.), *44* (Abst.)
ROSE, B., and PHILLS, J. A., *6* (Abst.)
ROSEN, F. S. (*See* SHANNON, D. C., et al.), *30* (Abst.)
ROTHFELD, E. (*See* STRAUSSER, H., et al.), *5* (Abst.)

S

SALVAGGIO, J. (*See* BAILEY, G., et al.), *39* (Abst.)
SAMS, W. M., JR., *27* (Abst.)
SAMTER, M., 120 (Corr.)
—, and BEERS, R. F., JR., 281
SANERKIN, N. B., SEAL, R. M. E., and LEOPOLD, J. G., *2* (Abst.)
SARKARY, I., *5* (Abst.)
SASAGAWA, S. (*See* MASUDA, T., et al.), 193
SCHWALB, E., and TRUCCO, J., *42* (Abst.)
SEAL, R. M. E. (*See* SANERKIN, N. B., et al.), *2* (Abst.)
SEGAL, B. (*See* DAWSON and SEGAL), *4* (Abst.)
SETTIPANE, G. A. (*See* CHAFEE and SETTIPANE), 65

SHANNON, D. C., JOHNSON, G., ROSEN, F. S., and AUSTEN, K. F., *30* (Abst.)
SHELLEY, W. B., *18* (Abst.)
SIEGEL, C. (*See* RICHARDS, W., et al.), *34* (Abst.)
SIEKER, H. O. (*See* NAGAYA and SIEKER), *22* (Abst.)
SILIQUINI, J. J. (*See* CINOTTI and SILIQUINI), *7* (Abst.)
SILVERSTEIN, A. M., PARSHALL, C. J., JR., and UHR, J. W., *15* (Abst.)
SIMON, G., and JORDAN, W. S., *2* (Abst.)
SLY, R. M., HEIMLICH, E. M., BUSSER, R. J., and STRICK, L., *31* (Abst.), 93
SMITH, C. B., PURCELL, R. H., BELLANTI, J. A., and CHANOCK, R. M., *36* (Abst.)
SMITH, C. D., and NOEL, S., *13* (Abst.)
SMITH, D. J., *28* (Abst.)
SMITH, G., and FRED, H. L., *42* (Abst.)
SMITH, J. R. (*See* VANSELOW and SMITH), *10* (Abst.)
SMITH, R. S. (*See* GOODMAN, D. H., et al.), 131
SMOLIN, G., and KEATES, R. H., *23* (Abst.)
SOKOLOWSKI, J. (*See* KENT, D. C., et al.), *32* (Abst.)
SPIEGELMAN, J., FRIEDMAN, H., and TUFT, L., *26* (Abst.)
ST. PIERRE, R. L. (*See* ACKERMAN, G. A., et al.), *45* (Abst.)
STAGGERDA, F. R., RICHARDS, E. A., and RACKIS, J. J., *44* (Abst.)
STAKMANN, M. A. (*See* LABERGE and STAKMANN), *14* (Abst.)
STEPHEN, T. A. (*See* BIGELOW, D. B., et al.), *36* (Abst.)
STEWART, G. T., *43* (Abst.)
STIEHM, E. R., AMMANN, A. J., and CHERRY, J. D., *30* (Abst.)
STOKES, J., JR. (*See* HILLEMAN, M. R., et al.), *46* (Abst.)
—. (*See* WEIBEL, R. E., et al.), *38* (Abst.)
STRAUSS, A. J. L. (*See* MCFARLIN, D. E., et al.), *20* (Abst.)
STRAUSS, J. (*See* RICHARDS, W., et al.), *34* (Abst.)
STRAUSSER, H., ROTHFELD, E., and BUSCI, R., *5* (Abst.)
STRICK, L. (*See* SLY, R. M., et al.), *31* (Abst.)
—. (*See* SLY, R. M., et al.), 93
STRUB, L. (*See* BAILEY, G., et al.), *39* (Abst.)
SUZUKI, H. (*See* FUJIMOTO, Y., et al.), *47* (Abst.)
SWENSON, E. W. (*See* FINLEY, T. N., et al.), *28* (Abst.)

T

TATENO, K. (*See* MATSUMURA, T., et al.), *19* (Abst.)
TEES, E. (*See* KNUDSON, E., et al.), *44* (Abst.)
THORPE, D. P. (*See* HUNTLEY, C. C., et al.), *47* (Abst.)
TKACHYK, S. J. (*See* COLLINS-WILLIAMS, C., et al.), *18* (Abst.)
TOFT, B. (*See* COLLINS-WILLIAMS, C., et al.), *18* (Abst.)
TORSNEY, P. J. (*See* TUFT and TORSNEY), *12* (Abst.)
TRUCCO, J. (*See* SCHWALB and TRUCCO), *42* (Abst.)
TUFFANELLI, D. L., WUEPPER, K. D., BRADFORD, L. L. and WOOD, R. M., *47* (Abst.)
TUFT, L. (*See* SPIEGELMAN, J., et al.), *26* (Abst.)
—, and TORSNEY, P. J., *12* (Abst.)
TWEKSBURY, D. A. (*See* MARSCHKE and TWEKSBURY), *3* (Abst.)

U

UHR, J. W. (*See* SILVERSTEIN, A. M., et al.), *15* (Abst.)

V

VALENTINE, M. D. (*See* ORANGE, R. P., et al.), *30* (Abst.)
VANSELOW, N. A., and SMITH, J. R., *10* (Abst.)
VAUGHAN, J. H., 115, 123 (Corr.)

W

WAKSMAN, B. (*See* LUBAROFF and WAKSMAN), *45* (Abst.)
WALDMANN, T. A., WOCHNER, R. D., LASTER, L., and GORDON, R. S., JR., *35* (Abst.)
WALLERSTROM, A., and ENELL, H., *16* (Abst.)
WARDELL, J. R., JR., FAMILIAR, R. G., and HAFF, R. F., 100
WEIBEL, R. E., WOODHOUR, A. F., STOKES, J., JR., METZGAR, D. P., and HILLEMAN, M. R., *38* (Abst.)
—. (*See* HILLEMAN, M. R., et al.), *46* (Abst.)
WEINBERG, T. (*See* FOGEL, B. J., et al.), *48* (Abst.)
WEISS, N. S., and GROLNICK, M., *48* (Abst.)
WESTLING, H. (*See* ARNOLDSSON, H., et al.), *11* (Abst.)
WESTON, R. (*See* BACHELOR, F., et al.), *43* (Abst.)
WHITMAN, G. E., JR. (*See* HILLEMAN, M. R., et al.), *46* (Abst.)
WILSON, R. (*See* BOAK, J., et al.), *39* (Abst.)
WINKENWERDER, W. L. (*See* AGBAYANI, B. F., et al.), 319
—. (*See* NORMAN, P. S., et al.), 57
WOCHNER, R. D. (*See* WALDMANN, T. A., et al.), *35* (Abst.)
WOLFF, J. A., *11* (Abst.)
WOOD, R. M. (*See* TUFFANELLI, D. L., et al.), *47* (Abst.)
WOODHOUR, A. F. (*See* WEIBEL, R. E., et al.), *38* (Abst.)
WUEPPER, K. D. (*See* TUFFANELLI, D. L., et al.), *47* (Abst.)

Y

YALOW, R. S. (*See* MELICK, R. A., et al.), *20* (Abst.)
YUGAMI, S. (*See* MATSUMURA, T., et al.), *19* (Abst.)

Z

ZWARTZ, J. A. (*See* NATER and ZWARTZ), 202
ZWEIMAN, B. (*See* GREEN, G. R., et al.), 224

Subject index*

A

Acetylcholine inhalation test in atopic dermatitis (Masuda et al.), 193
Adjuvant, new metabolizable immunologic, for human use: evaluation of highly purified influenza-virus vaccine in adjuvant 65, *38* (Abst.)
Adrenal function during use of dexamethasone aerosols in treatment of ragweed hay fever (Norman et al.), 57
Adrenergic or cholinergic blockade, effect; exercise-induced bronchospasm (Sly et al.), 93
Aerosols, dexamethasone, in treatment of ragweed hay fever, adrenal function during use (Norman et al.), 57
Air in San Antonio, Texas, further studies of fungal flora (Al-Doory), 145
Airborne pollen, new sampler for; rotoslide (Ogden and Raynor), 1
Airway obstruction, chronic with hypoxemia, role of long-term continuous oxygen administration in patients with, *36* (Abst.)
due to hypoxemia in patients with chronic lung disease, *29* (Abst.)
American Academy of Allergy, historian's report (Cohen), 186
Amino, epsilon-, caproic acid and allergic inhibition, *3* (Abst.)
Anaphylactic shock, histamine and histaminase release by guinea pigs at various intervals during (Logan), 207
Anaphylatoxin in its relation to complement systems, *7* (Abst.)
Anaphylaxis, dextran-induced, *39* (Abst.)
guinea pig, histamine release in; inhibiting effect of specific versus nonspecific (Peptone) desensitization, *23* (Abst.)
release of slow-reacting substance in rat: polymorphonuclear leukocyte, *30* (Abst.)
Anemia, immunohemolytic, penicillin-induced, *4* (Abst.)
pernicious, intrinsic factor antibody in saliva of patient with, *39* (Abst.)
Angioneurotic edema in insect-sting fatalities (Barnard), 107
Announcements, 126, 257, 318
Antibody(ies) and clinical resistance to parathyroid hormone, *20* (Abst.)
concentration, effect on lag period and velocity; passive sensitization in vitro, *38* (Abst.)
cytophilic, possible role in one manifestation of delayed-type hypersensitivity; local passive transfer of reactivity of peritoneal macrophages to antigen, *36* (Abst.)
fluorescent, rapid diagnosis of measles from urinary sediments stained with, *6* (Abst.)
fraction, reaginic, with properties of gamma-G globulin, isolation, *10* (Abst.)
gamma-G, appearing early in primary response of mouse, *22* (Abst.)
to muscle and thymus in nonmyasthenic patients with thymoma; clinical evaluation, *20* (Abst.)
parainfluenza type 1 virus, protective effect, *36* (Abst.)
penicillin, kinetics of cells producing, studied by plaque assay (Massie and Frick), 215
salt solubility of reaginic, *38* (Abst.)
skin-sensitizing, heterogeneity (Fireman et al.), 259
induced in nonsensitive dogs, characterization (Arkins et al.), 50
and intradermally administered immunoglobulins, disappearance (Fireman et al.), 304
Antibody-producing capacity, inability of neonatal rabbit thymus to induce in bursectomized chickens, *45* (Abst.)
Antigen, *Candida albicans*, cellular reactivity to, *30* (Abst.)
local passive transfer of reactivity of peritoneal macrophages to: possible role of cytophilic antibody in one manifestation of delayed-type hypersensitivity, *36* (Abst.)
Antihistamines: cutaneous reaction to dexbrompheniramine maleate, *42* (Abst.)
in dacryocystitis, *7* (Abst.)
Antilymphocyte-serum–treated mice, activity of lymphoid tissues from, *39* (Abst.)

*July, pp. 1-64; August, pp. 65-130; September, pp. 131-192; October, pp. 193-258; November, pp. 259-318; December, pp. 319-374.

Abstracts: July, pp. *1-8*; August, pp. *9-16*; September, pp. *17-24*; October, pp. *25-32*; November, pp. *33-40*; December, pp. *41-48*.

Arthritis, rheumatoid, with IgA deficiency, *47* (Abst.)
Aspergillosis, allergic broncho-pulmonary, plastic bronchitis, and mucoid impactions of bronchi, and their relationship to bronchial asthma, *2* (Abst.)
incidence in chronic asthma (Agbayani et al.), 319
Aspirin, concerning nature of intolerance to (Samter and Beers), 281
Asthma associated with tracheobronchial papillomatosis, *42* (Abst.)
bronchial, induced by indomethacin, *10* (Abst.)
relationship of plastic bronchitis, mucoid impaction of bronchi, and allergic bronchopulmonary aspergillosis to, *2* (Abst.)
caused by FD&C approved dyes (Chafee and Settipane), 65
chronic, incidence of allergic aspergillosis in (Agbayani et al.), 319
due to pine pollen, *26* (Abst.)
evaluation of Gay's solution in treatment (Harter and Novitch), 327
four cases caused by silk inhalation, *19* (Abst.)
intractable, quantitative immunoglobulin levels (IgG, IgA, and IgM) in children with, *18* (Abst.)
patients, side effects of prolonged corticosteroid treatment in (Drug Committee of the American Academy of Allergy), 88
subjects, bronchial hypersensitivity to mecholyl and histamine in (Itkin), 245
ventilatory capacity in young adults with childhood history, *10* (Abst.)
what wheezes isn't always, *42* (Abst.)
Asthmatic children, effects of epinephrine on (Inoue), 337
and normal subjects, comparison of some metabolic responses to epinephrine and glucagon in (Lockey et al.), 349
settles in Arad, Israel, further observation on clinical response (Frank and de Vries), 182
Asthmaticus, status, in children, *34* (Abst.)
controlled ventilation with muscle paralysis in, *2* (Abst.)
Atopic allergic reactions due to raw potato Nater and Zwartz), 202
and nonatopic individuals, eosinophil response in skin window to ragweed extract, histamine, and compound 48/80 in; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
persons, history of drug sensitivity in (Miller), 46
Autoantibodies in malignant lymphoma of thyroid gland, *47* (Abst.)
Autoimmunity, thyroid, and atopic eczema, *34* (Abst.)

B

BCG, mycobacterium bovis, fractions, lowered skin reactivity to in guinea pigs sensitized with large doses, *14* (Abst.)
vaccination, bacterial metastases following, *16* (Abst.)
Bell, Samuel D., obituary, 64
Benzylpenicilloyl-specific serum antibodies to penicillin in man; development of sensitive hemagglutination assay method and haptenic specificities of antibodies, *20* (Abst.)
sensitivity of hemagglutination assay method, molecular classes of antibodies, detected, and antibody titers, of randomly selected patients, *21* (Abst.)
Bone marrow as source of cells in delayed skin reactions, *45* (Abst.)
Bradykinin, human reagin to, demonstration in monkey tissues: in vitro passive sensitization of monkey ileum with sera of atopic patients; physiologic and enhancing experiments (Kobayashi et al.), 26
Bronchial asthma induced by indomethacin, *10* (Abst.)
hypersensitivity to mecholyl and histamine in asthma subjects (Itkin), 245
Bronchiolitis, infectious and allergic aspects, *2* (Abst.)
Bronchitis, plastic, mucoid impaction of bronchi, and allergic bronchopulmonary aspergillosis, and their relationship to bronchial asthma, *2* (Abst.)
Bronchodilator, new, metaproterenol: comparison with isoproterenol, *29* (Abst.)
Bronchopulmonary lavage in normal subjects and patients with obstructive lung disease, *28* (Abst.)
Bronchospasm, exercise-induced: effect of adrenergic or cholinergic blockade (Sly et al.), 93
Bronchospasms, exercise-induced: evaluation of isoproterenol, phenylephrine, and combination, *31* (Abst.)
Bursectomized chickens, inability of neonatal rabbit thymus to induce antibody-producing capacity in, *45* (Abst.)

C

Candida albicans antigen, cellular reactivity to, *30* (Abst.)
Caproic acid, epsilon-amino, and allergic inhibition, *3* (Abst.)
Cataracts, posterior subcapsular, in corticosteroid-treated children, *8* (Abst.)
Certification in allergy (Samter), 120
(Vaughan), 115, 123

Cholergic or adrenergic blockade, effect; exercise-induced bronchospasm (Sly et al.), 93
Colitis, ulcerative, histamine content of rectal mucosa in, *4* (Abst.)
leukocytes and plasma, injected, and rectal reaction, *12* (Abst.)
Colmes, Abraham, obituary, 185
Complement systems, anaphylatoxin in its relation to, *7* (Abst.)
Compound 48/80, ragweed extract, and histamine, eosinophil response in skin window to, in atopic and nonatopic individuals; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
Connective tissue disease, fatal, following wasp sting, *48* (Abst.)
Corneal hypersensitivity reaction, suppression, *23* (Abst.)
Correspondence, 120, 184, 355
Corticosteroid treatment, prolonged, side effects in patients with asthma (Drug Committee of the Research Council of the American Academy of Allergy), 88
Corticosteroid-treated children, posterior subcapsular cataracts in, *8* (Abst.)
Cutaneous reaction to dexbrompheniramine maleate, *42* (Abst.)
sensitivity to purified Benzylpenicillin, *44* (Abst.)
Cytophilic antibody, possible role in one manifestation of delayed-type hypersensitivity; local passive transfer of reactivity of peritoneal macrophages to antigen, *36* (Abst.)

D

Dacryocystitis, antihistamines in, *7* (Abst.)
Dander, animal, allergic patients, experience in hyposensitization treatment with alum-precipitated pyridine extract, *12* (Abst.)
Delayed skin reactions to inhalant antigens (Green et al.), 224
Dermatitis, atopic, acetylcholine inhalation test in (Masuda et al.), 193
Dermographism, urticarial, *26* (Abst.)
Dexamethasone aerosols in treatment of ragweed hay fever, adrenal function during use (Norman et al.), 57
Dexbrompheniramine maleate, cutaneous reaction to, *42* (Abst.)
Dextran-induced anaphylaxis, *39* (Abst.)
Down's syndrome, allergy survey of children with, *48* (Abst.)
Drug allergy, diagnosis in vitro with lymphocyte transformation test (Halpern et al.), 168
hypersensitivity, lymphocyte transformation in, *5* (Abst.)
phototoxity in guinea pigs, experimental production, *27* (Abst.)
sensitivity in atopic persons, history (Miller), 46
Durham, Oren C., obituary, 63
Dyes, FD&C approved, asthma caused by (Chafee and Settipane), 65

E

Ear, inner, allergy, *31* (Abst.)
Eczema, atopic, and thyroid autoimmunity, *34* (Abst.)
Edema, hereditary periodic, *11* (Abst.)
Eosinophil count, total, in nonatopic population (Felarca and Lowell), 16
response in skin window to ragweed extract, histamine, and compound 48/80 in atopic and nonatopic individuals; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
Epinephrine, effects on asthmatic children (Inoue), 337
and glucagon, comparison of some metabolic responses in normal and asthmatic subjects to (Lockey et al.), 349
Erythrocytes, sheep, effect of splenectomy on primary and secondary response to in rats, *46* (Abst.)
Etiologic agents of respiratory allergy in central part of Turkey; pollens, mold spores, and other inhalants as (Özkaragöz), 21

F

FD&C approved dyes, asthma caused by (Chafee and Settipane), 65
Feedback mechanism in immunoglobulin synthesis, *14* (Abst.)
Flatulence in adult man, effects of various soybean products on, *44* (Abst.)
Fluorescent antibody, rapid diagnosis of measles from urinary sediments stained with, *6* (Abst.)
treponemal-antibody absorption tests; studies of false-positive reactions to tests for syphilis, *47* (Abst.)
Forced expiratory volume, maximal ventilatory volume calculated from (Dulfano and Ishikawa), 275
Formaldehyde: reactions to nail hardeners, *43* (Abst.)
Fungal flora, further studies of air in San Antonio, Texas (Al-Doory), 145
Fungus antigens, senstitizing guinea pigs to without infection, method, *13* (Abst.)

G

Gastroenteropathy, allergic: cause of excessive gastrointestinal protein loss, *35* (Abst.)
Gay's solution in treatment of asthma, evaluation (Harter and Novitch), 327
Globulin, gamma, immunoglobulins and other proteins in commercial preparations, *24* (Abst.)
gamma-G, isolation of reaginic antibody fraction with properties, *10* (Abst.)

Glucagon and epinephrine, comparison of some metabolic responses in normal and asthmatic subjects to Lockey et al.), 349

H

Haptenic specificities of antibodies and sensitive hemagglutination assay method, development; benzylpenicilloyl-specific serum antibodies to penicillin in man, *20* (Abst.)
Hay fever, ragweed, adrenal function during use of dexamethasone aerosols in treatment (Norman et al.), 57
severity, comparison between skin-sensitizing antibody titers and leukocyte sensitivity measurements as index (Lichtenstein et al.), 160
moldy, antigens from involved in farmer's lung, *14* (Abst.)
Hemagglutination assay method, sensitive, and haptenic specificities of antibodies, development; benzylpenicilloyl-specific serum antibodies to penicillin in man, *20* (Abst.)
sensitivity, molecular classes of antibodies detected, and antibody titers, of randomly selected patients; benzylpenicilloyl-specific serum antibodies to penicillin in man, *21* (Abst.)
Hereditary periodic edema, *11* (Abst.)
Histaminase in histamine release by guinea pigs at various intervals during anaphylactic shock (Logan), 207
Histamine content of rectal mucosa in ulcerative colitis, *4* (Abst.)
and histaminase release by guinea pigs at various intervals during anaphylactic shock (Logan), 207
human reagin to, demonstration in monkey tissues: in vitro passive sensitization of monkey ileum with sera of atopic patients; physiologic and enhancing experiments (Kobayashi et al.), 26
and mecholyl, bronchial hypersensitivity to in asthma subjects (Itkin), 245
ragweed extract, and compound 48/80, eosinophil response in skin window to, in atopic and nonatopic individuals; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
release in guinea pigs anaphylaxis; inhibiting effect of specific versus nonspecific (Peptone) desensitization, *23* (Abst.)
synthesis in man: inhibition by 4-bromo-3 hydroxybenzyloxamine, *5* (Abst.)
Histamines, anti-, in dacryocystis, *7* (Abst.)
Histological manifestations of cellular (delayed) hypersensitivity; tuberculin skin tests in passively sensitized guinea pigs, *22* (Abst.)
House-dust mite (Corr.), 355
Hydroxybenzyloxamine, 4-bromo-3, inhibition of histamine synthesis in man by, *5* (Abst.)
Hypersensitivity, bronchial, to mecholyl and histamine in asthma subjects (Itkin), 245
cellular (delayed), histological manifestations; tuberculin skin tests in passively sensitized guinea pigs, *22* (Abst.)
delayed: bone marrow as source of cells in delayed skin reactions, *45* (Abst.)
studies on specificity of cellular infiltrate, *37* (Abst.)
possible role of cytophilic antibody in one manifestation; local passive transfer of reactivity of peritoneal macrophages to antigen, *36* (Abst.)
penicillin, evaluation by two newer immunological procedures (Kunz et al.), 135
reaction, corneal, suppression, *23* (Abst.)
reactions and leukocytes: eosinophil response in skin window to ragweed extract, histamine, and compound 48/80 in atopic and nonatopic individuals (Feinberg et al.), 73
Hypogammaglobulinemia, allergy, and absence of intrinsic factor (Goodman et al.), 131
Hyposensitization treatment of animal dander allergic patients, experience with alum-precipitated pyridine extracts, *12* (Abst.)
Hypoxemia, airway obstruction in patients with chronic lung disease due to, *29* (Abst.)
patients with chronic airway obstruction with, role of long-term continuous oxygen administration in, *36* (Abst.)

I

IgA deficiency, rheumatoid arthritis with, *47* (Abst.)
Immune reaction in pulmonary disease, *6* (Abst.)
Immunoglobulin levels (IgG, IgA, and IgM), quantitative in children with intractable asthma, *18* (Abst.)
synthesis, feedback mechanism in, *14* (Abst.)
Immunoglobulins and other proteins in commercial preparations of gamma globulin, *24* (Abst.)
plasma, intradermally administered, and skin-sensitizing antibodies, disappearance (Fireman et al.), 304
salivary: normal adult values and dissociation between serum and salivary levels (Claman et al.), 151
serum: abnormalities associated with chronic urticaria in children (Buckley and Dees), 294

Immunohemolytic anemia, penicillin-induced, *4* (Abst.)
Immunologic adjuvant, new metabolizable, for human use: evaluation of highly purified influenza-virus vaccine in adjuvant 65, *38* (Abst.)
detection of myoglobinuria, isolation and preservation of human myoglobulin for use in, *5* (Abst.)
maturation in utero: kinetics of primary antibody response in fetal lamb, *15* (Abst.)
response to nitro-olefins, *15* (Abst.)
responses of pollinosis patients treated with alum-precipitated pyridine ragweed extract, *26* (Abst.)
Immunological characteristics of denatured proteins, *37* (Abst.)
procedures, two newer, evaluation of penicillin hypersensitivity by (Kunz et al.), 135
Indomethacin, bronchial asthma induced by, *10* (Abst.)
Infectious and allergic aspects of bronchiolitis, *2* (Abst.)
Influenza-virus vaccine, highly purified, in adjuvant 65, evaluation; new metabolizable immunologic adjuvant for human use, *38* (Abst.)
Inhalant antigens, delayed skin reactions to (Green et al.), 224
Inhalants, other, pollens, and mold spores as etiologic agents of respiratory allergy in central part of Turkey (Özkaragöz), 21
Inhibition, allergic, and epsilon-amino caproic acid, *3* (Abst.)
Inner ear, allergy, *31* (Abst.)
Insect-sting fatalities, allergic and pathologic findings in (Barnard), 107
Interferon, circulating, in infants and children with acute respiratory illness, *35* (Abst.)
Intrauterine infections, elevated cord macroglobulins in diagnosis, *30* (Abst.)
Intrinsic factor, absence, hypogammaglobulinemia, and allergy (Goodman et al.), 131
antibody in saliva of patient with pernicious anemia, *39* (Abst.)
Isoproterenol and new bronchodilator metaproterenol, comparison between, *29* (Abst.)
phenylephrine, and combination, evaluation; exercise-induced bronchospasms, *31* (Abst.)

L

Leukocyte, polymorphonuclear; release of slow-reacting substance of anaphylaxis in rat, *30* (Abst.)
sensitivity measurements and skin-sensitizing antibody titers, comparison as index of severity of ragweed hay fever (Lichtenstein et al.), 160
Leukocytes and hypersensitivity reactions: eosinophil response in skin window to ragweed extract, histamine, and compound 48/80 in atopic and nonatopic individuals (Feinberg et al.), 73
ulcerative colitis, and plasma, injected, and rectal reaction, *12* (Abst.)
London, McKinley, obituary, 317
Lung disease, chronic, airway obstruction due to hypoxemia in patients with, *29* (Abst.)
obstructive, errors in management of patients dying of, *13* (Abst.)
obstructive, bronchopulmonary lavage in normal subjects and patients with, *28* (Abst.)
farmer's, antigens from moldy hay involved in, *14* (Abst.)
Lymphocyte transformation in drug hypersensitivity, *5* (Abst.)
test, diagnosis of drug allergy in vitro with (Halpern et al.), 168
Lymphocytic, anti-, serum, lymphopenic effect, *22* (Abst.)
Lymphoid tissues from antilymphocyte-serum–treated mice, activity, *39* (Abst.)
Lymphoma of thyroid gland, malignant, autoantibodies in, *47* (Abst.)
Lymphopenic effect of anti-lymphocytic serum, *22* (Abst.)

M

Macroglobulins, elevated cord, in diagnosis of intrauterine infections, *30* (Abst.)
Macrophages, peritoneal, local passive transfer of reactivity to antigen: possible role of cytophilic antibody in one manifestation of delayed-type hypersensitivity, *36* (Abst.)
Mast cell disease in children, *27* (Abst.)
Maurer, Murray L., obituary, 125
Maximal ventilatory volume, indirect (Dulfano and Ishikawa), 275
Measles, rapid diagnosis from urinary sediments stained with fluorescent antibody, *6* (Abst.)
Mecholyl and histamine, bronchial hypersensitivity to in asthma subjects (Itkin), 245
Menagh, Frank Robert, obituary, 124
Metabolic responses in normal and asthmatic subjects to epinephrine and glucagon, comparison of some (Lockey et al.), 349
Metaproterenol—new bronchodilator: comparison with isoproterenol, *29* (Abst.)
Metastases, bacterial, following BCG vaccination, *16* (Abst.)
Migraine, *8* (Abst.)
Mold spores, pollens, and other inhalants as etiologic agents of respiratory allergy in central part of Turkey (Özkaragöz), 21

Mongoloid children, allergic survey, *48* (Abst.)
Mucoid impaction of bronchi, allergic bronchopulmonary aspergillosis, and plastic bronchitis, and their relationship to bronchial asthma, *2* (Abst.)
Mucosa, rectal, histamine content in ulcerative colitis, *4* (Abst.)
Mucoviscidosis associated with Wiskott-Aldrich syndrome in same patient, *40* (Abst.)
Mumps-virus vaccine, live, attenuated; protective efficacy as measured in field evaluation, *46* (Abst.)
Muscle paralysis in status asthmaticus, controlled ventilation with, *2* (Abst.)
Myasthenic, non-, patients with thymoma, antibodies to muscle and thymus in; clinical evaluation, *20* (Abst.)
Mycobacterial skin tests, new aspects, *28* (Abst.)
Mycobacterium bovis (BCG), fractions, lowered delayed skin reactivity to in guinea pigs sensitized with large doses, *14* (Abst.)
Myoglobin, human, isolation and preservation for use in immunologic detection of myoglobinuria, *5* (Abst.)
Myoglobinuria, isolation and preservation of human myoglobulin for use in immunologic detection, *5* (Abst.)

N

Nasal airway resistance, a technique for measuring in ferrets (Wardell et al.), 100
Nitro-olefins immunologic response to, *15* (Abst.)
Nonatopic and atopic individuals, eosinophil response in skin window to ragweed extract, histamine, and compound 48/80 in; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
  population, total eosinophil count in (Felarca and Lowell), 16
Nonsensitive dogs, characterization of skin-sensitizing antibody induced in (Arkins et al.), 50

O

Obituaries, 62, 124, 185, 317
Obstructive lung disease, chronic, errors in management of patients dying of, *13* (Abst.)
Otitis media, secretory, and allergy, *24* (Abst.)
Oxygen administration, role of long-term continuous, in patients with chronic airway obstruction with hypoxemia, *36* (Abst.)
  therapy and artificial ventilation, pulmonary lesions associated with, *44* (Abst.)

P

Papillomatosis, asthma associated with tracheobronchial, *42* (Abst.)
Parainfluenza type 1 virus, protective effect of antibody to, *36* (Abst.)
Paralysis, muscle, in status asthmaticus, controlled ventilation with, *2* (Abst.)
Parathyroid hormone, antibodies and clinical resistance to, *20* (Abst.)
Passive transfer, local, of reactivity of peritoneal macrophages to antigen: possible role of cytophilic antibody in one manifestation of delayed-type hypersensitivity, *36* (Abst.)
Patch test, *18* (Abst.)
Penicillin, antibodies to, kinetics of cells producing, studied by plaque assay (Massie and Frick), 215
  Benzyl-, cutaneous sensitivity to purified, *44* (Abst.)
  benzylpenicilloyl-specific antibodies to, in man; sensitivity of hemagglutination assay method, molecular classes of antibodies detected, and antibody titers, of randomly selected patients, *21* (Abst.)
    serum antibodies to, in man; development of sensitive hemagglutination assay method and haptenic specificities of antibodies, *20* (Abst.)
  hypersensitivity, evaluation by two newer immunological procedures (Kunz et al.), 135
Penicillin-induced immunohemolytic anemia, *4* (Abst.)
Penicillins, allergic residues in, *43* (Abst.)
Penicilloylated protein impurity as source of allergy to Benzyl-penicillin and 6-aminopenicillanic acid, *43* (Abst.)
Peritoneal macrophages, local passive transfer of reactivity to antigen: possible role of cytophilic antibody in one manifestation of delayed-type hypersensitivity, *36* (Abst.)
Pets and smoking, presence, as correlates of perceived disease (Cameron), 12
Phenylephrine, isoproterenol, and combination, evaluation; exercise-induced bronchospasms, *31* (Abst.)
Phototoxicity, drug, in guinea pigs, experimental production, *27* (Abst.)
Pine pollen, asthma due to, *26* (Abst.)
Plaque assay, kinetics of cells producing antibodies to penicillin studied by (Massie and Frick), 215
Plasma immunoglobulins, intradermally administered, and skin-sensitizing antibodies, disappearance (Fireman et al.), 304
  and ulcerative colitis leukocytes, injected, and rectal reaction, *12* (Abst.)

Plastic bronchitis, mucoid impaction of bronchi, and allergic broncho-pulmonary aspergillosis, and their relationship to bronchial asthma, *2* (Abst.)
Pollen, airborne, new sampler for; rotoslide (Ogden and Raynor), 1
pine, asthma due to, *26* (Abst.)
Pollens, dwarf ragweed, qualitative and quantitative variations in (Goldfarb and Kaplan), 237
mold spores, and other inhalants as etiologic agents of respiratory allergy in central part of Turkey (Özkaragöz), 21
Pollinosis patients, immunologic responses, treated with alum-precipitated pyridine ragweed extract, *26* (Abst.)
Potato, raw, atopic allergic reactions due to (Nater and Zwartz), 202
Primary response of mouse, gamma-G antibodies appearing early in, *22* (Abst.)
Protein loss, gastrointestinal, cause of excessive: allergic gastroenteropathy, *35* (Abst.)
penicilloylated, impurity as source of allergy to Benzyl-penicillin and 6-aminopenicillanic acid, *43* (Abst.)
Proteins, denatured, immunological characteristics, *37* (Abst.)
other, and immunoglobulins in commercial preparations of gamma globulin, *24* (Abst.)
Pulmonary disease, immune reaction in, *6* (Abst.)
lesions associated with oxygen therapy and artificial ventilation, *44* (Abst.)
Pyridine extracts, alum-precipitated, experience in hyposensitization treatment of animal dander allergic patients with, *12* (Abst.)
ragweed extract, alum-precipitated, immunologic responses of pollinosis patients treated with, *26* (Abst.)

R

Ragweed extract, aqueous, sensitization of human subjects after multiple intracutaneous injections (Connell), 269
histamine, and compound 48/80, eosinophil response in skin window to, in atopic and nonatopic individuals; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
pyridine, alum-precipitated, immunologic responses of pollinosis patients treated with, *26* (Abst.)
hay fever, adrenal function during use of dexamethasone aerosols in treatment (Norman et al.), 57
Ragweed hay fever—Cont'd
severity, comparison between skin-sensitizing antibody titers and leukocyte sensitivity measurements as index (Lichtenstein et al.), 160
pollens, dwarf, qualitative and quantitative variations in (Goldfarb and Kaplan), 237
Reagin, human, demonstration in monkey tissues: in vitro passive sensitization of monkey ileum with sera of atopic patients; physiologic and enhancing experiments (Kobayashi et al.), 26
Reaginic antibodies, salt solubility, *38* (Abst.)
antibody fraction with properties of gamma-G globulin, isolation, *10* (Abst.)
Rectal mucosa, histamine content in ulcerative colitis, *4* (Abst.)
reaction and injected ulcerative colitis leukocytes and plasma, *12* (Abst.)
Respiratory allergy in central part of Turkey; pollens, mold spores, and other inhalants as etiologic agents (Özkaragöz), 21
illness, infants and children with, circulating interferon in, *35* (Abst.)
obstruction in insect-sting fatalities (Barnard), 107
Rheumatoid arthritis with IgA deficiency, *47* (Abst.)
Rhinitis; technique for measuring nasal airway resistance in ferrets (Wardell et al.), 100
Rotoslide; new sampler for airborne pollen (Ogden and Raynor), 1
Rubella virus, attenuated; production of experimental live-virus vaccine and clinical trial, *29* (Abst.)

S

Salivary immunoglobulins: normal adult values and dissociation between serum and salivary levels (Claman et al.), 151
Salt solubility of reaginic antibodies, *38* (Abst.)
Sampler, new, for airborne pollen; rotoslide (Ogden and Raynor), 1
Secretory otitis media and allergy, *24* (Abst.)
Sensitization, in vitro passive, of monkey ileum with sera of atopic patients; physiologic and enhancing experiments (Kobayashi et al.), 26
of human subjects after multiple intracutaneous injections of aqueous ragweed extract (Connell), 269
passive, in vitro: effect of antibody concentration on lag period and velocity, *38* (Abst.)
Sensitized, passively, guinea pigs, tuberculin skin tests in; histological manifestations of cellular (delayed) hypersensitivity, *22* (Abst.)

Sensitizing guinea pigs to fungus antigens without infection, method, *13* (Abst.)
Serotonin, human reagin to, demonstration in monkey tissues: in vitro passive sensitization of monkey ileum with sera of atopic patients; physiologic and enhancing experiments (Kobayashi et al.), 26
Serum immunoglobulins: abnormalities associated with chronic urticaria in children (Buckley and Dees), 294
and salivary levels, dissociation between, and normal adult values; salivary immunoglobulins (Claman et al.), 151
Sheldon, John M., obituary, 62
Shock, anaphylactic, histamine and histaminase release by guinea pigs at various intervals during (Logan), 207
Sickler, James Russell, obituary, 124
Silk inhalation, four cases of asthma caused by, *19* (Abst.)
Skin lesions of mast cell disease in children, *27* (Abst.)
reactions, delayed, bone marrow as source of cells in, *45* (Abst.)
to inhalant antigens (Green et al.), 224
reactivity, lowered delayed, to fractions of mycobacterium bovis (BCG) in guinea pigs sensitized with large doses, *14* (Abst.)
testing, laboratory procedure for determining potency of toxoplasmins for, *13* (Abst.)
tests, mycobacterial, new aspects, *28* (Abst.)
window, eosinophil response in, to ragweed extract, histamine, and compound 48/80 in atopic and nonatopic individuals; leukocytes and hypersensitivity reactions (Feinberg et al.), 73
Skin-sensitizing antibodies, heterogeneity (Fireman et al.), 259
and intradermally administered plasma immunoglobulins, disappearance (Fireman et al.), 304
antibody induced in nonsensitive dogs, characterization (Arkins et al.), 50
titers and leukocyte sensitivity measurements, comparison as index of severity of ragweed hay fever (Lichtenstein et al.), 160
Slow-reacting substance of anaphylaxis in rat, release: polymorphonuclear leukocyte, *30* (Abst.)
human reagin to, demonstration in monkey tissues: in vitro passive sensitization of monkey ileum with sera of atopic patients; physiologic and enhancing experiments (Kobayashi et al.), 26
Smallpox vaccination, complications, *3* (Abst.)
Smoking and pets, presence, as correlates of perceived disease (Cameron), 12
Soybean products, various, effects on flatulence in adult man, *44* (Abst.)
Splenectomy, effect on primary and secondary response to sheep erythrocytes in rats, *46* (Abst.)
Status asthmaticus in children, *34* (Abst.)
controlled ventilation with muscle paralysis in, *2* (Abst.)
Synthesis, histamine, in man: inhibition by 4-bromo-3 hydroxybenzyloxamine, *5* (Abst.)
Syphilis, studies of false-positive reactions to tests for; fluorescent treponemal-antibody absorption tests, *47* (Abst.)

T

Thymoma, antibodies to muscle and thymus in nonmyasthenic patients with; clinical evaluation, *20* (Abst.)
Thymus, neonatal rabbit, inability to induce antibody-producing capacity in bursectomized chickens, *45* (Abst.)
Thyroid autoimmunity and atopic eczema, *34* (Abst.)
gland, autoantibodies in malignant lymphoma, *47* (Abst.)
Toxoplasmins, laboratory procedure for determining potency for skin testing, *13* (Abst.)
Tracheobronchial papillomatosis, asthma associated with, *42* (Abst.)
Treponemal-antibody, fluorescent, absorption tests; studies of fa[l]e-positive reactions to tests for syphilis, *47* (Abst.)
Tuberculin conversion, *32* (Abst.)
skin tests in passively sensitized guinea pigs; histological manifestations of cellular (delayed) hypersensitivity, *22* (Abst.)

U

Ulcerative colitis, histamine content of rectal mucosa in, *4* (Abst.)
leukocytes and plasma, injected, and rectal reaction, *12* (Abst.)
Urinary sediments stained with fluorescent antibody, rapid diagnosis of measles from, *6* (Abst.)
Urticaria, chronic, in children, abnormalities in serum immunoglobulins associated with (Buckley and Dees), 294
Urticarial dermographism, *26* (Abst.)

V

Vaccination, smallpox, complications, *3* (Abst.)
Vaccine, experimental live-virus, production and clinical trial; attenuated rubella virus, *29* (Abst.)

highly purified influenza-virus, in adjuvant 65, evaluation; new metabolizable immunologic adjuvant for human use, *38* (Abst.)
live, attenuated mumps-virus; protective efficacy as measured in field evaluation, *46* (Abst.)
Ventilation, artificial, and oxygen therapy, pulmonary lesions associated with, *44* (Abst.)
controlled, with muscle paralysis in status asthmaticus, *2* (Abst.)
Ventilatory capacity in young adults with history of asthma in childhood, *10* (Abst.)
volume, indirect maximal (Dulfano and Ishikawa), 275
Virus, attenuated rubella; production of experimental live-virus vaccine and clinical trial, *29* (Abst.)
influenza-, highly purified, in adjuvant 65, evaluation; new metabolizable immunologic adjuvant for human use, *38* (Abst.)
mumps-, live, attenuated, vaccine; protective efficacy as measured in field evaluation, *46* (Abst.)
parainfluenza type 1, protective effect of antibody to, *36* (Abst.)

W

Wasp sting, fatal connective tissue disease following, *48* (Abst.)
Wheezing: what wheezes isn't always asthma, *42* (Abst.)
Wiskott-Aldrich syndrome associated with mucoviscidosis in same patient, *40* (Abst.)
clinical, immunologic, and pathologic observations, *11* (Abst.)